

# Acceptance Test

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## International Online Survey (IOS)

### Bad Robot Enterprises

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# International Online Survey Detailed Design

## Table of Contents

Section 1: Product Overview and Summary-----	3
Section 2: Subprogram Interface Specifications-----	3
Section 3: Use-Case Scenarios-----	3
Testing Requirements-----	8
Section 5: Functional Requirements Inventory-----	8
5.1: Non-Functional Requirements Inventory-----	16
Section 6: User Displays, Report Formats, and User Command Summary-----	19
Section 7: Acceptance Test (See attached Test Plan Document)-----	41
Section 8: Unit Tests (See attached Test Plan Document)-----	41
Section 9: Appendix-----	42
9.1 Glossary of Terms-----	43
9.2 Timeline (Gantt chart)-----	44

## **Section 1: Product Overview and Summary**

A great deal of information on certain topics can be gained through the use of surveys. The International Online Survey (IOS) system will provide users with the ability to create and take surveys through a web-based program. Teachers will be able to create surveys and give them to their students and students will be able to take these surveys quickly and easily. Both types of users will be able to view survey results to gain the data they need or desire. Administrators will oversee this program and maintain functionality of the IOS.

This document will be centered around the final program and its subsequent testing.

## **Section 2: Subprogram Interface Specifications**

The modules included with the International Online Survey are the Administrator, the Teacher, the Student, and the Anonymous [user]. These four modules or users work independently of one another, while some of the data they create is shared through the database. Each user does their specific tasks to create the desired outcome of functionality from the International Online Survey.

## **Section 3: Use-Case Scenarios**

### *Documentation Prologue for Each Routine*

#### Administrator User

##### Login

1. The user submits login information to the CMS.
2. The CMS verifies the login information.
3. If login information contains correct user name and password combination, the user is directed to his/her homepage.

##### Manage Account

1. The user modifies his/her account.
  - a. Username
  - b. Password
  - c. Secret Question and Answer
2. The changes are submitted to the CMS.

### Forgotten Password

1. The user clicks on the forgotten password link and enters his/her answer to their secret question as well as his/her email address.
2. An e-mail is sent to the user's registered e-mail account with a random username and password which can be changed after the user logs in.

### Delete a Survey

1. The user navigates to the welcome page, and under the "Surveys" division clicks the button next to the survey to be deleted.
2. The survey will be deleted from the database and removed from the survey list on the welcome page.

### Ban a Survey

1. The user navigates to the welcome page, and under the "Quality Control" division clicks the button next to the survey to be banned.
2. The survey will be inactivated, and the specific question causing the ban deleted from the database and survey. The user in charge of the survey will be notified of this change to their survey via email.

### List Current Users

1. The user navigates to the welcome page, and clicks the List Current Users link at the top of the page.
2. The user will have the ability to either list the current users alphabetically or search for users.
3. Clicking the search button or a letter listed will display the users.

## Teacher User

### Login

1. The user submits login information to the CMS
2. The CMS verifies the login information
3. If login information contains correct user name and password combination, the user is directed to his/her homepage.

### Registration

1. The user clicks on the Register Now as a Teacher link
2. The user fills out the information required to register
3. The user may fill in the optional information or leave it unfilled
4. The user clicks the submit button
5. The user is automatically logged in and directed to his/her welcome page

### Manage Account

1. The user modifies his/her account.
  - a. Username
  - b. Password
  - c. Secret Question and Answer
2. The changes are submitted to the CMS.

### Forgotten Password

1. The user clicks on the forgotten password link and enters his/her answer to their secret question as well as his/her email address.
2. An e-mail is sent to the user's registered e-mail account with a random username and password which can be changed after the user logs in.

## Create a Survey

1. The user enters the desired survey name and topic and selects to make their survey Anonymous or Protected.
2. The user is directed toward a page which displays questions they have added as well as an Add a Question button.
3. Clicking the Add a Question button directs the user to a page that allows them to select the type of question to be added to their survey.
4. After choosing the type of question and filling out the required fields for the question, the user clicks submit and is directed back to a page that displays questions they have added as well as an Add a Question button and preview button.
5. The user then can save their progress by clicking the save button, activate their survey by clicking the activate button, or preview the survey at its current state by clicking the preview button.

## Activate a Survey

1. The user enters navigates to the Unpublished Surveys subdivision under the Active and Unpublished Surveys division.
2. Clicking the button next to the unpublished survey will prompt the user to enter the email addresses of the students that will be given permission to take it. There is also a choice for the teacher to create a new student if necessary.
3. Clicking the Add button will add more email fields and clicking the submit button will give the specified students permission to take the survey.
4. Filling the fields for username and password will create a new user in the database.

## Delete a Survey

1. The user can delete any survey under the History or Active and Unpublished Survey divisions by clicking the delete button next to each survey.
2. The selected survey will be deleted from the database

## Stop a Survey

1. The user navigates to the Active Surveys subdivision under the Active and Unpublished Surveys division.
2. After clicking the stop button corresponding to the survey to be stopped, the survey will be added to the Completed Surveys division

## Student User

### Login

1. The user submits login information to the CMS
2. The CMS verifies the login information
3. If login information contains correct user name and password combination, the user is directed to his/her homepage.

### Registration

1. The user clicks on the Register Now as a Student link
2. The user fills out the information required to register
3. The user may fill in the optional information or leave it unfilled
4. The user clicks the submit button
5. The user is automatically logged in and directed to his/her welcome page

### Manage Account

1. The user modifies his/her account
  - a. Username
  - b. Password
  - c. Secret Question and Answer
  - d. Personal Information
2. The changes are submitted to the CMS

### Forgotten Password

1. The user clicks on the forgotten password link and enters his/her answer to their secret question as well as his/her email address.
2. An e-mail is sent to the user's registered e-mail account with a random username and password which can be changed after the user logs in.

### Take a Survey

1. The user can take any survey that has not been started or finished by navigating to the Non-Completed Surveys division and clicking on the link that corresponds to the survey name.

**The user is brought to the last save point of that survey.**

# Testing Requirements

## Section 4: Functional Requirements Inventory

The following list outlines the required functionality to be included in the final solution. The requirements are listed according to user case and then by screens the user will view.

### General:

- The International Online Survey is web-based.
  - It will be built in php and html with a mysql database.

### Administrator:

- The Administrator user will have an account.
- The Administrator user will have a username and password.
- The Administrator user will have a secret question and answer to retrieve a forgotten password.

### Login Screen:

- The Administrator will log in with correct username and password.
- An incorrect login will provide an appropriate error message.
- If the Administrator has forgotten his/her password the Administrator can click on the forgot password link.



### **Administrator Welcome Screen:**

- The Administrator will be able to view all surveys in the Surveys section.
  - Administrator will be able to scroll through a list of surveys.
  - Administrator can use the search bar to search for users and surveys.
- The Administrator will have a link to list all of the current users.
  - Administrator will be taken to the List Current Users Page where the Administrator can search for a specific user or list then alphabetically.
  - This page can also be gotten to from entering a name in the Search bar at the top of the page.
- The Administrator will be able to see site statistic in the Current Stats section.
  - Displayed will be total users, current users logged in, total surveys created, and total surveys published.
- The Administrator will be able to see all users that are currently logged in.
  - This is located in the Current Users Logged In section.
- The Administrator will be able to view messages from users.
  - This is located in the Quality Control section.
  - It will show shot snippet of the message and the date it was sent on.
- The Administrator will be able to view surveys that have words that have been marked as offensive by the developers.
  - The Administrator will see a list of surveys and a button next to the survey name to ban that survey.
- The Administrator can create new accounts through the Create Accounts button.
  - Administrators can create new student and/or teacher accounts.
  - Create Account button will take the administrator to the Account Creation Page.
- The Administrator will have a link to manage their account.
  - Administrator can change their username, password, secret question, and secret answer.
- The Administrator will be able to logout from the welcome screen by clicking the "Logout" link.

### **Manage Account Screen:**

- The Administrator will be able to change their account name, password, secret question, and secret answer.
- The Administrator will be able to submit new values for any fields or return to the administrator home page.

### **Change User Password Screen:**

- The Administrator user will be able to choose a user for which the password is to be changed.
- The Administrator will enter a new password for the chosen user.
- The Administrator will submit changes.
- A message will appear indicating that a change has been accepted.
- The Administrator user will be able to exit the change user password screen.

### **Create An Account Screen:**

- The Administrator will be able to input a new username and hit submit.
  - Upon submission a randomly created password will be returned.
  - The Administrator must then send the username and password to the individual.
- The Administrator user will be able to exit the create an account screen.

### **List Current Users Screen:**

- The Administrator will be able to sort users alphabetically by selecting a letter.
- The Administrator will be able to search the users by account type.
- The Administrator will be able to search the users by typing in an account name in the search bar.
- The Administrator will be sent to the list current users results page after the search.
- The Administrator user will be able to exit the list current users screen.

### **List Current Users Results Screen:**

- The Administrator will view search results alphabetically.
- The Administrator will be able see account names and account types of the search results.
- The Administrator will be able to click on the accounts to view information about them.
- The Administrator user will be able to exit the list current users results screen.

### **User Page (Teacher)**

- Administrator can click on a users name in the Current Users Logged In section of the Administrator Home Page or through the List Current Users page.
- Administrator will see all Active Surveys, Published Surveys, and Unpublished Surveys.
  - There will be three sections with Active, Published, and Unpublished with the surveys name, topic, and date associated with that survey.
  - Clicking on a survey name will display the Preview Survey page.

## **User Page (Student)**

- Administrator can click on a users name in the Current Users Logged In section of the Administrator Home Page or through the List Current Users page.
- Administrator will see all Active Surveys, Published Surveys, and Unpublished Surveys.
  - There will be three sections with Active, Published, and Unpublished with the surveys name, topic, and date associated with that survey.
  - Clicking on a survey name will display the Preview Survey page.

## **Survey Preview Screen**

- Administrator will be able to view the survey but will not be able to edit the survey.

## **Teacher:**

- The Teacher user will have an account established by the Administrator or the Teacher can create their own account through the login page Button to Register Now As a Teacher.
- The Teacher user will have a username and password that the teacher has picked.

## **Login Screen:**

- The user will log in with correct username and password.
  - If the correct password has been lost the teacher can click on the Forgot Your Password to go to the Forgot Password page.
- An incorrect login will provide an appropriate error message.
- To create a new teacher account the user can click on the Register Now as a Teacher to go the Teacher Account Creation page.

## **Create Your Account:**

- The Teacher will be able to input a username, password, select a secret question, and secret answer.
- The Teacher will be able to submit the inputted data.

## Teacher Welcome Screen:

- The Teacher will have a button to manage their account.
  - Takes the Teacher to the Manage Your Account page for the Teacher accounts.
- The Teacher will have a button to create a survey.
  - Takes the Teacher to the Initial Create a Survey page.
- The Teacher will be able to view all surveys the Teacher has created.
  - These are separate into three groupings.
  - Unpublished, Active, and Completed.
- The Teacher can view all of their Unpublished Surveys and choose to delete them or make them active with the Activate Button.
  - Upon clicking on Activate the survey will be moved to the Active Surveys section.
  - Upon deleting the survey will no longer be viewable.
- The Teacher can view all of their Active Surveys
  - Clicking on the survey name will take them the teachers to a current results page.
  - Upon clicking the delete button the survey and all questions answer up to this time will be deleted from the database.
  - Upon clicking the stop button the survey will be moved to the Completed Surveys section of this page.
- The Teacher can view all of their Completed Surveys
  - Clicking on the delete button in the Completed Surveys section will delete that survey's questions and answer from the database.
  - Clicking on the download button will allow the Teacher to download an excel file format.
- The Teacher will be able to select a specific survey and view those results.
- The Teacher will have access to a search bar, which searches the entire site.
- The Teacher will be able to logout from the welcome screen by clicking the "Logout" link.

### **Manage Account Screen:**

- The Teacher will be able to change their account name, password, secret question, and secret answer.
- The Teacher will be able to submit new values for any fields or return to the Teacher home page.

### **Initial Survey Creation Screen:**

- The Teacher will be able add a name to the survey.
- The Teacher will be able to add a topic to the survey.
- The Teacher will be able to make the Survey Anonymous or Protected.

### **Survey Creation - Add a Question Screen:**

- The Teacher will be able to choose from a number of question formats (multiple choice, T/F, short answer, etc.).
- The Teacher will be able to save the survey.
- The Teacher will receive a confirmation when the survey is saved.

### **Survey Creation – Demographic Question Screen:**

- The Teacher will be able to choose whether the following fields will be visible and/or required.
  - Name, Company, Address 1, Address 2, City/Town, State/Province, ZIP, Postal Code, and Country.
  - The Teacher will be able to click on a checkbox next the field they want to disable or enable.
- The Teacher will be able to submit the question by clicking on the Submit button.

### **Survey Creation – Ratings Scale Screen:**

- The Teacher will be able to enter the questions text.
- The Teacher will be able to enter in how many rows they would want and what the text will be for each.
  - There will be a input text box where the Teacher can put each rows text on a different line.
- The Teacher will be able to select how many Columns the Teacher would want.
  - The limit of Columns or scale is 10.
  - The Teacher can input these in the input text boxes.
- The Teacher will be able to submit the question by clicking on the Submit button.

### **Survey Creation – Multiple Choice Screen:**

- The Teacher will be able to input the text for the question.
- The Teacher will be able to input the choices for answers.
  - The Teacher will have to put these answer on different lines in the text input box provided.
- The Teacher will be able to submit the question by clicking on the Submit button.

### **Survey Creation – Single Textbox Screen:**

- The Teacher will be able to input the text for the question.
- The Teacher will be able to submit the question by clicking on the Submit button.

### **Survey Creation – Image Screen:**

- The Teacher will be able to input the text for the question or a description of the image.
- The Teacher will be able to input the file location on their local computer or browser for the image on their local computer by clicking on the browse button.
- The Teacher will be able to submit the question by clicking on the Submit button.

### **Survey Creation – Edit Survey Screen:**

- The Teacher will be able all questions for a survey.
- The Teacher will be able to add new questions by clicking on the Add Question button.
- The Teacher will be able to exit the Create a Survey page.

### **Student:**

- The Student user will have an account established by the Administrator, Teacher, or through the front page Create an Account button for Students.
  - If created by a teacher or administrator, their username and password will be given to them by their teacher or administrator outside of the IOS web pages.
- The Student user will have a username and password.

### **Login Screen:**

- The user will login with correct username and password.
- An incorrect login will provide an appropriate error message.

### **Create Account Screen:**

- The Student will be able to input their desired username and password.
- The Student will have to retype their password.
- The Student will be able to select the secret question the Student wants and what the answer to the question will be.
- The Student has the option of entering in their first name and last name.
- The Student has the option of entering in their gender.
- The Student has the option of entering in their birthday date.
- The Student has the option of entering in their state and zip code.
- The Student has the option of entering in their time zone.
- The Student can submit the information by clicking on the Submit button.

### **Welcome Screen:**

- The Student will have a link to manage their account.
- The Student will have a list of surveys that the Student can take.
  - This is in the Non-Completed Survey section.
  - The Student will be able to click on a survey and will be directed to the complete survey screen.
- The Student will be able to view completed and incomplete surveys.
- The Student will have access to a search bar, which searches the entire site.
- The Student will be able to logout from the welcome screen by clicking the "Logout" link.

### **Create Account Screen:**

- The Student will be able to change their username and password.
- The Student will have to retype their password.
- The Student will be able to select the secret question the Student wants and what the answer to the question will be.
- The Student has the option of entering in their first name and last name.
- The Student has the option of entering in their gender.
- The Student has the option of entering in their birthday date.
- The Student has the option of entering in their state and zip code.
- The Student has the option of entering in their time zone.
- The Student can submit the information by clicking on the Submit button.

**Take a Survey Screen:**

- The Student will be able to answer all questions for a survey.
- The Student will be able to save their progress and come back at other time and finish.
- The Student will be able to submit their answers.
- The Student will be notified if any questions were left blank.
- The Student will be notified that their survey was submitted successfully.
- The Student will be able to exit the take a survey screen.

**Search Results Screen:**

- The user will view search results alphabetically.
- The user will be able see account names and account types or survey names.
- The user will be able to click on the accounts or surveys to view information about them.

**Teacher/Student:****Password Recovery Screen:**

- The user must answer their secret question and submit their email address.
- The user will be sent an email containing their account password.
- The user will be shown a message if the secret question was answered wrong or if the email address entered was not found.

**5.1 Non-Functional Requirements Inventory**

- The system should be quick and smooth, using fast servers and databases.
- The system should also be aesthetically pleasing.



## **Section 5: Working/Testing Environment: System Specifications**

The International Online Survey has been developed in the Siena College Software Engineering Computer Laboratory. The Bad Robot Enterprises team has developed the program on a server, which is a virtual machine that runs along side other computers.

The following is a list of the machines that we conducted our development work on. It lists the machine's specifications as well as the software on the machines that was used in developing our product.

### **Systems:**

Dell Dimension Dim4550  
Intel Pentium 4 2.40 GHz  
1GB of RAM

Macintosh iMac  
2.0GHz Intel Core 2 Duo  
1GB of RAM

### **Server:**

Oracle version 10.1  
MySQL version 4.1.14  
PHP version 4.3.11  
Apache version 2.0.46

### **Browser Environnement:**

Microsoft Internet Explorer version 7.0.5730.13  
Mozilla Firefox version 2.0.0.14  
Apple Safari 3.0

### **Software:**

Adobe Acrobat Standard version 7.0  
Adobe Reader version 7.0  
Microsoft Office Word 2003 11.6359.6360 SP1  
Microsoft Office PowerPoint 2003 11.6361.6360 SP1  
WinSCP version 4.0.4 (Build 346)  
Putty release 0.60  
Macromedia Dreamweaver MX 2004 Education Edition version 7.0  
Macromedia Fireworks MX 2004 Education Edition version 7.0 (Build 288)

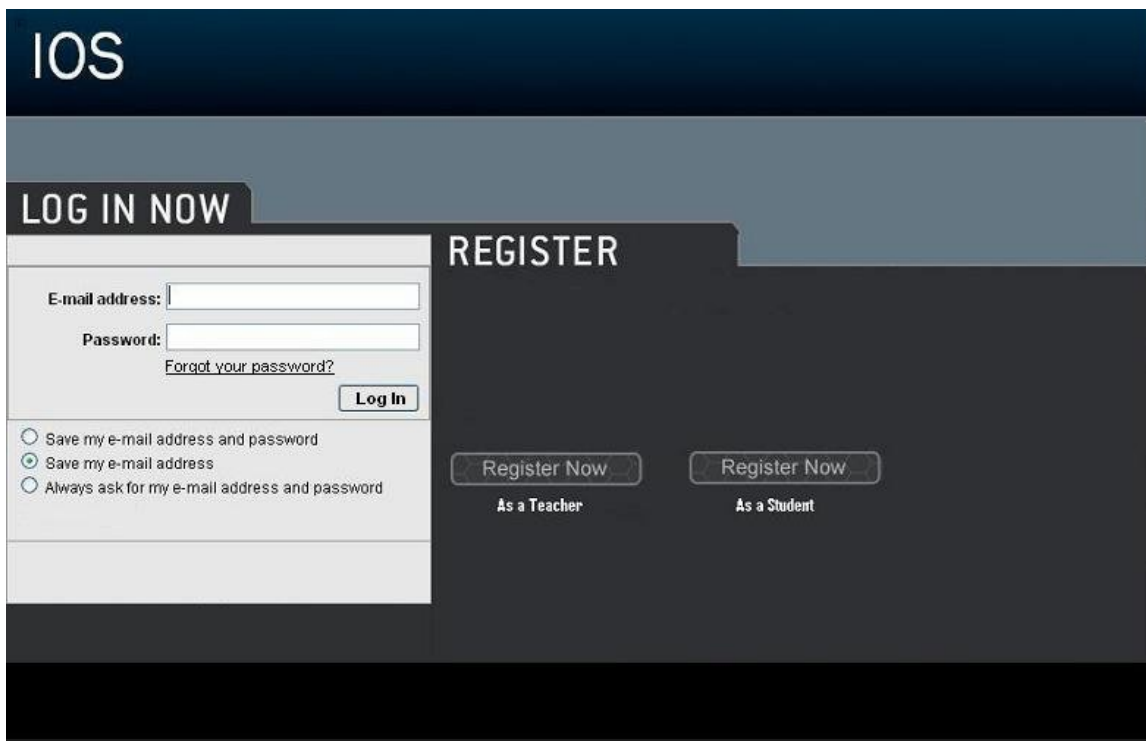
Visible Analyst Education Edition version 7.5.5  
Microsoft Project 2000 9.0.2001.0219 SR-1  
Microsoft Windows XP Professional Version 2002 Service Pack 2

# External Design Specifications

## Section 6: User displays, report formats, and user command summary

### 6.1: Login Page

This is the page that all users will see when first locating the website. This page is where all users will enter their username and password. If a user has not already created an account, they can click on the appropriate "Register Now" link that will take them to the account creation page.



## 6.2: Teacher Account Creation Page

This page is reached when the user has selected from the login page to register as a teacher. They are required to provide a user name and password.

The screenshot shows a registration form titled "IOS Create Your Account (Teacher)". The form is contained within a dark blue header bar with the text "IOS" on the left and "Create Your Account (Teacher)" on the right. Below the header, the form fields are as follows:

- Username :** A text input field.
- Create your password**
  - Password:** A text input field with a note below it: "The password must contain at least six characters and is case sensitive."
  - Password strength:** Three radio buttons labeled "Weak", "Medium", and "Strong".
  - Retype password:** A text input field.
- Create your password reset options**
  - Question:** A dropdown menu with "Select One" and a downward arrow.
  - Secret answer:** A text input field with a note below it: "Five character minimum; not case sensitive".
  - e-mail address:** A text input field with a note below it: "Optional".

A "Submit" button is located at the bottom right of the form area.

### 6.3: Student Account Creation Page

This page is reached when the user has selected from the login page to register as a student. They are required to provide a user name and password as well as some of their personal information.

**IOS Create Your Account (Student)**

**Username :**

**Create your password**

**Password:**   
The password must contain at least six characters and is case sensitive.

**Password strength:**  Weak  Medium  Strong

**Retype password:**

---

**Create your password reset options**

**Question:**

**Secret answer:**   
Five character minimum; not case sensitive

**e-mail address:**

---

**Enter your account information**

**First name:**

**Last name:**

**Gender:**  Male  Female

**Birth date:**

**State:**

**ZIP code:**

**Time zone:**

I own or work with a small business

## 6.4: Administrator Welcome Page

The user is directed to this page when they have signed in as an administrator. They will see features available to only administrators in the top menu bar. They will also have access to information such as website survey statistics, user login information, and surveys.

**IOS**

**Manage Account**

Welcome: admin Log Out

CURRENT STATISTICS		CURRENT USERS LOGGED IN	
Total Users:	32	Name	Account Type
Current Users Logged In:	1	admin	Administrator
Total Surveys Created:	4		
Total Surveys Published:	3		

SURVEYS			
Name	Topic	Date	Delete
test	testing	2008-04-27 00:00:00	Delete
test2	test2	2008-04-27 00:00:00	Delete
sdf	sdf	2008-04-28 00:00:00	Delete
zdfgasfg	sdfg	2008-04-28 00:00:00	Delete

## 6.5: Teacher Welcome Page

The user is directed to this page when they have signed in as a teacher. They will see features available to only teachers in the top menu bar as well as their history of surveys, and active and unpublished surveys.

The screenshot shows the IOS Teacher Welcome Page. At the top left is the IOS logo. Below it are navigation links for 'Manage Account' and 'Create A Survey'. A welcome message reads 'Welcome: teacher Log Out'. The main content is divided into two sections: 'HISTORY' and 'ACTIVE AND UNPUBLISHED SURVEYS'. The 'HISTORY' section contains a table with columns for Name, Topic, Date, Delete, and Download. The 'ACTIVE AND UNPUBLISHED SURVEYS' section is further divided into 'ACTIVE SURVEYS' and 'UN-PUBLISHED SURVEYS', each with their respective tables and action buttons.

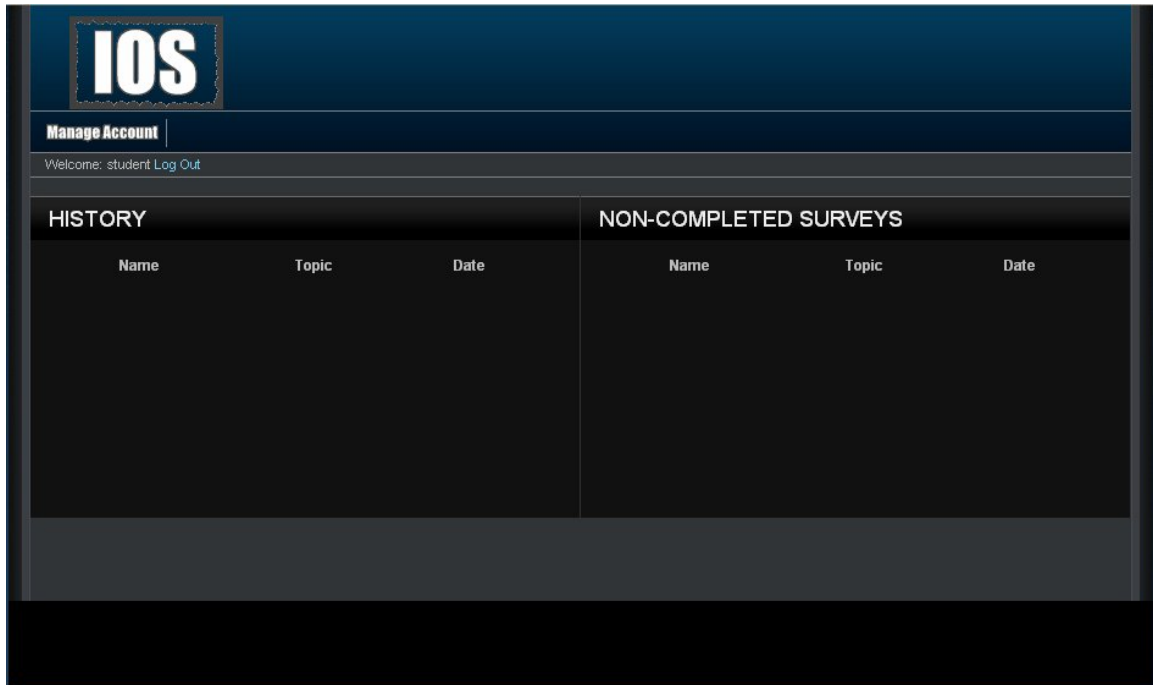
Name	Topic	Date	Delete	Download
test...	testing	2008-04-27 00:00:00	Delete	.XLS
sdf...	sdf	2008-04-28 00:00:00	Delete	.XLS
zdfgasfg...	sdfg	2008-04-28 00:00:00	Delete	.XLS

Name	Topic	Date	Delete	Stop
winter	season	2008-04-28 00:00:00	Delete	Stop

Name	Topic	Date	Activate	Delete
summer	SCHOOL	2008-04-28 00:00:00	Activate	Delete

## 6.6: Student Welcome Page

The user is directed to this page when they have signed in as a student. They will see features available to only students in the top menu bar as well as their history of completed surveys and non – completed surveys.





## 6.7.1: Administrator Account Management Page

This page allows an administrator to modify their account password.

The screenshot shows a web interface titled "IOS Manage Your Account". The page contains a form with the following elements:

- New Username :** A text input field.
- Change Password**
  - Password:** A text input field with a tooltip that reads: "The password must contain at least six characters and is case sensitive."
  - Password strength:** A progress indicator with three segments labeled "Weak", "Medium", and "Strong".
  - Retype password:** A text input field.
- Question:** A text input field.
- Secret answer:** A text input field.
- Submit**: A button.
- [Back to Welcome Page](#): A blue hyperlink.

## 6.7.2: Teacher Account Management Page

This page allows a teacher to modify their account password.

The screenshot shows a web interface for account management. At the top, there is a dark blue header with the text "IOS" on the left and "Manage Your Account" in the center. Below the header, the form is divided into two main sections. The first section is for changing the password, starting with a "New Username" field. Below that is the "Change Password" section, which includes a "Password" field with a tooltip indicating that the password must be at least six characters and case sensitive. To the right of the password field is a "Password strength" indicator with three buttons: "Weak", "Medium", and "Strong". Below the password field is a "Retype password" field. The second section is for a security question, with a "Question" field and a "Secret answer" field. At the bottom right of the form is a "Submit" button. At the bottom left, there is a blue link labeled "Back to Welcome Page".

## 6.8: User Page (Teacher)

This page is reached by clicking a teacher's name in the Administrator welcome page. The page displays a unique teacher's account information and statistics.

# IOS

# Borchers, Paul

Teacher Profile

**Name: Paul Borchers**



**Unpublished Surveys**

Name	Topic	Date
<u>Chairs</u>	Siena Hall	11/18/07
<u>Monitors</u>	Flat/CRT	11/19/07

**Active Surveys**

Name	Topic	Date
<u>Now</u>	Catholisism	11/18/07
<u>Phone</u>	Contacts	11/19/07

**Completed Surveys**

Name	Topic	Date	Download Results
Soda	Types	11/18/07	
NetMeeting	Remote	11/19/07	

[Back to Welcome Page](#)

## 6.9: User Page (Student)

This page is reached by clicking a student's name in the Administrator welcome page. The page displays a unique student's personal information as well as their survey taking statistics.

# IOS

# Wiggin, Ender

Student Profile

**Name: Wiggin, Ender**  
**Age: 21**  
**Gender: Male**  
**Zip Code: 12211**  
**State: New York**  
**Birth Date: March 15, 1986**  
**Education: under-graduate**  
**Major: Computer Science**

Surveys Taken

Name	Topic	Date
Test Survey 1	CSIS	11/7/07

Surveys Not Taken

Name	Topic	Date
Test Survey 4	Physics	11/1/07

Change Password

Password:

The password must contain at least six characters and is case sensitive.

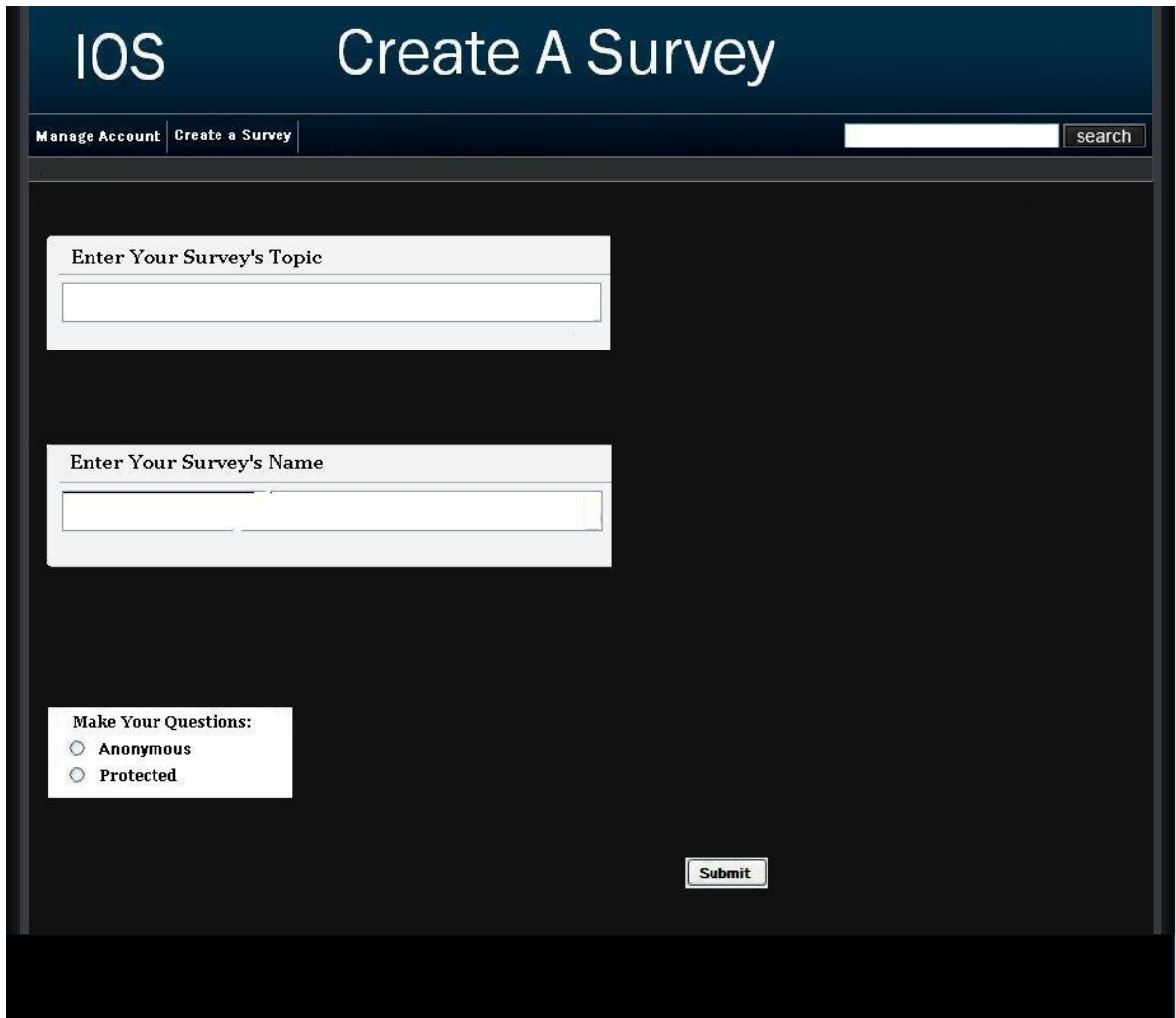
Password strength: Weak Medium Strong

Retype password:

[Back to Welcome Page](#)

## 6.10: Teacher Initial Survey Creation Page

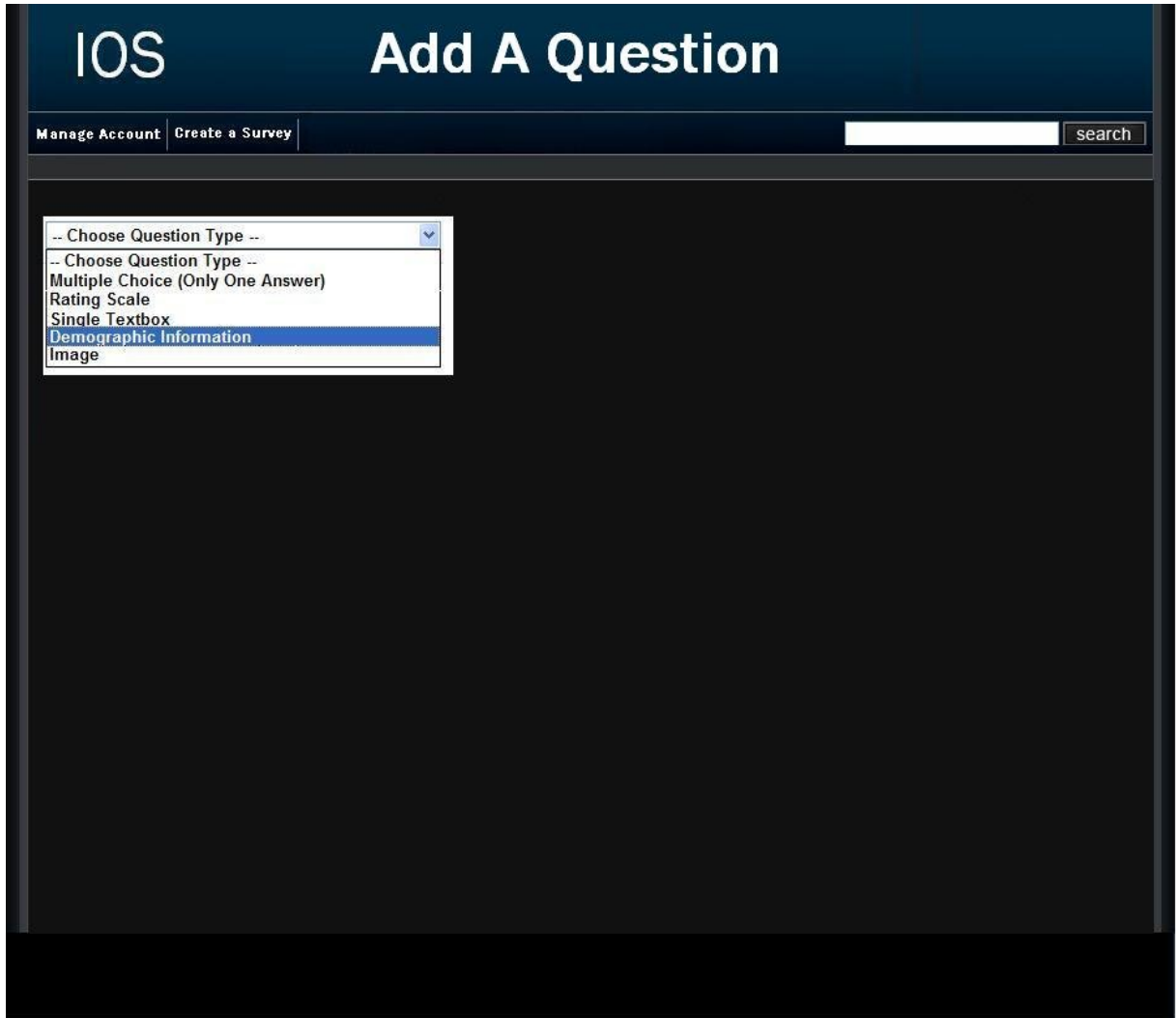
This page is reached from the create a survey link which can be seen by teacher accounts. The page is the first page a teacher will see before going on to adding questions to their survey. The page requires the teacher to enter a survey name and topic as well as making their survey anonymous or protected.



The screenshot shows a web interface for creating a survey. At the top, there is a dark blue header with the text "IOS" on the left and "Create A Survey" in the center. Below the header, there is a navigation bar with two tabs: "Manage Account" and "Create a Survey". To the right of the tabs is a search bar with a "search" button. The main content area is dark gray and contains two text input fields. The first field is labeled "Enter Your Survey's Topic" and the second is labeled "Enter Your Survey's Name". Below these fields is a section titled "Make Your Questions:" with two radio button options: "Anonymous" and "Protected". At the bottom right of the form area is a "Submit" button.

## 6.11.0: Teacher Add a Question Page (Blank)

This page is reached either through the blank edit survey page or after adding a question. This page only consists of a drop down of question types.



## 6.11.1: Demographic

These pages allows for a teacher to create a survey. They are provided with different questions to chose from including demographic, multiple choice, textbox, rating scale, and image related questions.

**IOS Add A Demographic Question**

Manage Account | Create a Survey |  search

-- Choose Question Type --  
-- Choose Question Type --  
Multiple Choice (Only One Answer)  
Rating Scale  
Single Textbox  
**Demographic Information**  
Image

**Contact Information**

Name:	<input type="text" value="Ryan May"/>	<input checked="" type="checkbox"/> Visible	<input checked="" type="checkbox"/> Answer Required
Company:	<input type="text" value="Area 51"/>	<input checked="" type="checkbox"/> Visible	<input checked="" type="checkbox"/> Answer Required
Address 1:	<input type="text" value="Classified"/>	<input checked="" type="checkbox"/> Visible	<input checked="" type="checkbox"/> Answer Required
Address 2:	<input type="text" value="Classified"/>	<input checked="" type="checkbox"/> Visible	<input checked="" type="checkbox"/> Answer Required
City/Town:	<input type="text" value="Classified"/>	<input checked="" type="checkbox"/> Visible	<input checked="" type="checkbox"/> Answer Required
State/Province:	<input type="text" value="Classified"/>	<input checked="" type="checkbox"/> Visible	<input type="checkbox"/> Answer Required
ZIP/Postal Code:	<input type="text" value="Classified"/>	<input checked="" type="checkbox"/> Visible	<input checked="" type="checkbox"/> Answer Required
Country:	<input type="text" value="United States"/>	<input checked="" type="checkbox"/> Visible	<input checked="" type="checkbox"/> Answer Required

## 6.11.2: Scale

These pages allows for a teacher to create a survey. They are provided with different questions to chose from including demographic, multiple choice, textbox, rating scale, and image related questions.

The screenshot shows the IOS (International Online Survey) interface. At the top left is the IOS logo. Below it are two buttons: "Manage Account" and "Create Accounts". A navigation bar contains the text "Welcome: Teacher / Log Out". The main content area is a dark grey panel with three sections for creating a question:

- QUESTION TEXT:** A large white text input field.
- COLUMN CHOICES:** A white input field for column-based choices.
- ROW CHOICES (EACH CHOICE ON SEPARATE LINES):** A white input field for row-based choices.

At the top of the question creation area, there are two dropdown menus: "Choose a question..." and "Select a question from pool".



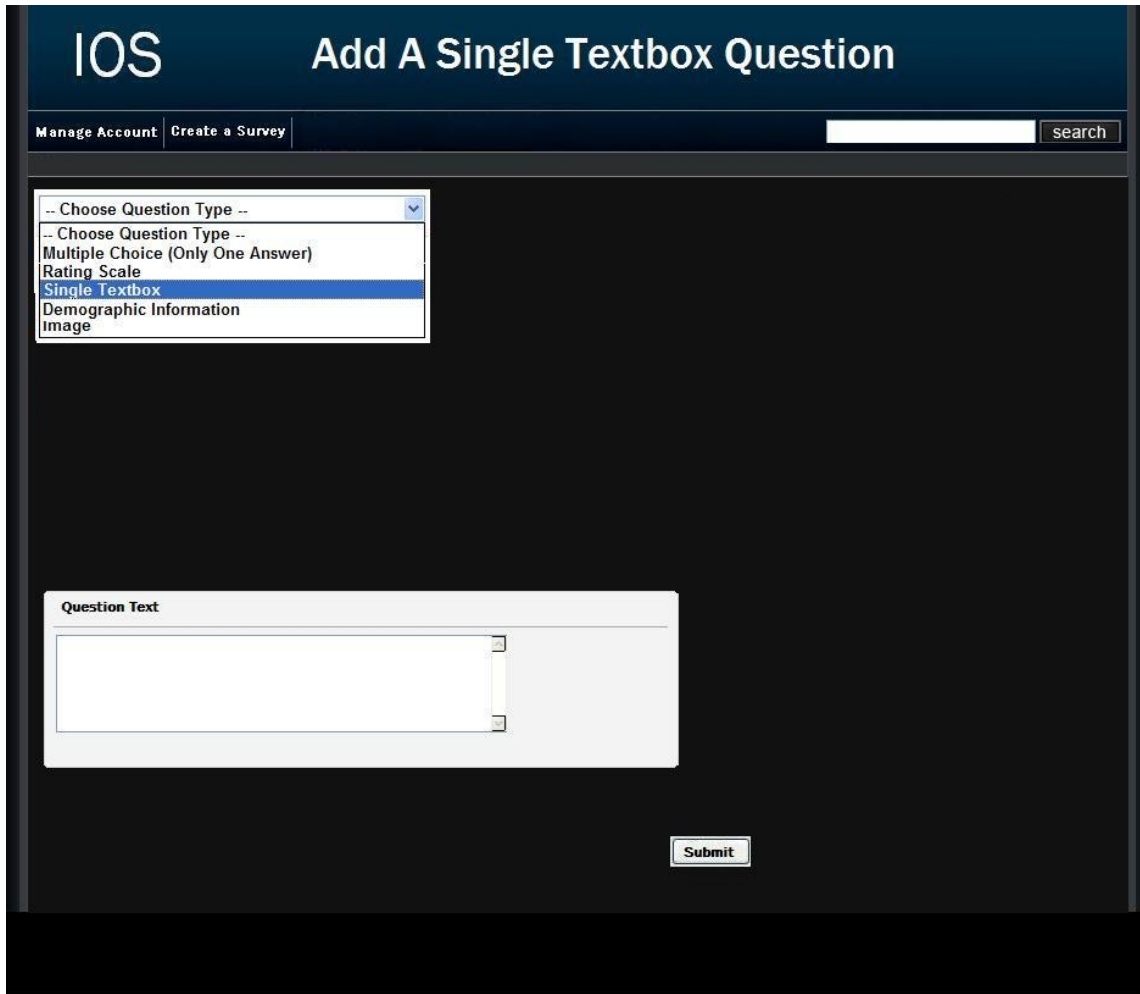
### 6.11.3: Multiple Choice

These pages allows for a teacher to create a survey. They are provided with different questions to chose from including demographic, multiple choice, textbox, rating scale, and image related questions.

The screenshot shows a web interface for creating a survey question. At the top, the header reads "IOS Add A Multiple Choice Question". Below the header, there are navigation links for "Manage Account" and "Create a Survey", and a search bar. The main content area features a dropdown menu for selecting a question type, with "Multiple Choice (Only One Answer)" selected. Below the dropdown are two text input fields: "Question Text" and "Answer Choices (each choice on separate lines)". A "Submit" button is located at the bottom right of the form.

## 6.11.4: Text Box

These pages allows for a teacher to create a survey. They are provided with different questions to chose from including demographic, multiple choice, textbox, rating scale, and image related questions.



The screenshot shows a web interface for creating a survey question. At the top, the header reads "IOS Add A Single Textbox Question". Below the header, there are navigation links for "Manage Account" and "Create a Survey", along with a search bar. A dropdown menu is open, showing options for question types: "-- Choose Question Type --", "Multiple Choice (Only One Answer)", "Rating Scale", "Single Textbox" (which is highlighted), "Demographic Information", and "Image". Below the dropdown, there is a text input field labeled "Question Text". At the bottom right of the form area, there is a "Submit" button.

## 6.12: Teacher Survey Activation Setup Page

This page allows a teacher to activate a survey. The teacher is required to input the email addresses of the students he/she wants to have rights to take the survey. There is an option to create student accounts if necessary as well.

**IOS**

[Manage Account](#) [Create A Survey](#)

Welcome: teacher [Log Out](#)

### SURVEY ACTIVATION

Please input the email address of person to the look up.

Email Address

Email Address

Email Address

Email Address

### HISTORY

Name	Topic	Date	Delete	Download
test...	testing	2008-04-27 00:00:00	<input type="button" value="Delete"/>	<input type="button" value=".XLS"/>
sdf...	sdf	2008-04-28 00:00:00	<input type="button" value="Delete"/>	<input type="button" value=".XLS"/>
zdfgasfg...	sdfg	2008-04-28 00:00:00	<input type="button" value="Delete"/>	<input type="button" value=".XLS"/>

### ACTIVE AND UNPUBLISHED SURVEYS

#### ACTIVE SURVEYS

Name	Topic	Date	Delete	Stop
winter	season	2008-04-28 00:00:00	<input type="button" value="Delete"/>	<input type="button" value="Stop"/>

#### UN-PUBLISHED SURVEYS

Name	Topic	Date	Activate	Delete
summer	SCHOOL	2008-04-28 00:00:00	<input type="button" value="Activate"/>	<input type="button" value="Delete"/>

## 6.13: Student Account Management Page

This page allows a student to edit their account information such as their username, password, and personal information.

# IOS

## Manage Your Account

New Username :

**Change Password**

Password:   
The password must contain at least six characters and is case sensitive.

Password strength:  Weak  Medium  Strong

Retype password:

---

Question:

Secret answer:

---

**Edit Your Account Information**

First name:

Last name:

Gender:  Male  Female

Birth date: Month  Day

State:

ZIP code:

Time zone:

I own or work with a small business

[Back to Welcome Page](#)

## 6.14.0: Student Survey Page

This page allows the student to answer questions of a survey that they have been given permission to take.

**IOS Take A Survey**

Manage Account | Take A Survey |  search

**1. What is Software Engineering?**

- sample answer
- sample answer
- sample answer
- sample answer

**2. How much do you like doing Software Engineering:**

	little	little more	neutral	love it
documents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
tests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
presentations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**3. What do you do in Software Engineering?**

**4. What are 4 different definitions of Software Engineering**

- ACM
- IEEE
- Pressman
- Eauer

## 6.14.1: Teacher Preview of Survey Page

This page allows a teacher to look at what their survey would look like at their current progress.

**IOS Preview**

Manage Account | Take A Survey |  search

**1. What is Software Engineering?**

- sample answer
- sample answer
- sample answer
- sample answer

**2. How much do you like doing Software Engineering:**

	little	little more	neutral	love it
documents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
tests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
presentations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**3. What do you do in Software Engineering?**

**4. What are 4 different definitions of Software Engineering**

- ACM
- IEEE
- Pressman
- Eauer

## 6.15: Lost Password Recovery Page


This page is reached by clicking the "forgot your password?" link on the login page. The user is required to fill in information to have their password emailed to them.

### Forgot password

---

Enter in your email address and choose the question and answer that you picked upon registration. If you do not have an email address registered with us then we are not able to reset your password at this time.

Email address:

Question:  

Secret answer:

Enter in the new password that you would like.

New password:

Re-type New password:

---

## 6.16: Format of results downloads

This is the format of the file that is downloaded when a teacher clicks on the download txt file button next to the survey name on the Teacher Welcome Page.

	Gender	Age	Marital Status	Children	College Name	Private/Public College	Grad_Yr	Yr_since_Grad	Cumulative GPA
1	1	29	0	0	Siena College	1	2000.00	7.00	3.4
2	1	42	1	1	SUNY Albany	0	1990	17.00	2.8
3	0	26	0	0	Siena College	1	2002	5.00	2.90
4	1	32	1	0	Siena College	1	1997	10.00	3.4
5	1	56	0	0	SUNY Cortland	0	1973	34.00	3.2
6	0	55	1	1	Lee College	1	1982	25.00	2.8
7	1	24	0	0	Cortland State	0	2005	2.00	3.5
8	1	25	0	0	Ithaca College	1	2003	4.00	3.6
9	1	50	1	1	Worcester State	0	1983	24.00	3.6
10	0	50	1	1	Worcester State	0	1978	29.00	3.5
11	0	24	0	0	Siena College	1	2005	2.00	2.99
12	0	25	0	0	Siena College	1	2004	3.00	3.2
13	0	23	0.00	0	Siena College	1	2006	1.00	3.3
14	0	30	1.00	1	Siena College	1	2002	5.00	3.2
15	0	47	1.00	1	SUNY Plattsburg	0	1981	26.00	3.3
16	0	48	1.00	1	LeMoyne	1	1981	26.00	3.45
17	0	47	1	1	SUNY Albany	0	1996	11.00	3.2
18	0	46	1	1	SUNY New Paltz	0	1985	22.00	3.5
19	0	38	1	1	SUNY Albany	0	1994	13.00	3.74
20	1	23	0	0	Hudson Valley Community College	0	2004	3.00	4
21	0	34	1	1	UNC Charlotte	0	1999	8.00	3.85
22	0	33	1	1	SUNY Plattsburg	0	1997	10.00	2.90
23	0	35	0	0	Syracuse	1	1994	13.00	3.1
24	0	48	1	0	Niagra	1	1980	27.00	3.7
25	0	55	0	1	Ohio State	0	1975	32.00	2.75
26	0	56	1	1	SUNY Cortland	0	1973	34.00	2.83
27	1.00	54	0	0	Pratt Institute	0	1983	24.00	4



# **Architectural Design Specification**

## **Section 7: Acceptance Test**

See attached Test Plan Document.

## **Section 8: Unit Tests**

See attached Test Plan Document.

## **Section 9: Appendix**

### **9.1 Glossary of Terms**

CSS – Cascading Style Sheets – These are used to describe a specific style for a web page or set of pages, a website.

Database - A collection of data arranged for ease and speed of search and retrieval.

Data Flow Diagram – A representation of the functional decomposition of a system.

Gantt Chart - A chart that depicts progress of jobs in relation to time. It is often used in planning and tracking a project.

Hypertext Markup Language (HTML) – Predominant markup language used for the creation of web pages.

Internet - A vast computer network linking smaller computer networks worldwide. The Internet includes commercial, educational, governmental, and other networks, all of which use the same set of communications protocols.

Internet Explorer(IE) – Microsoft based program used for browsing the Internet.

Linear Sequential Model / Classic Waterfall Model – A systematic, sequential approach to software development that begins at the system level and progresses through analysis, design, coding, testing, and support.

MySQL – A Multithreaded, multi-user Relational Database Management System.

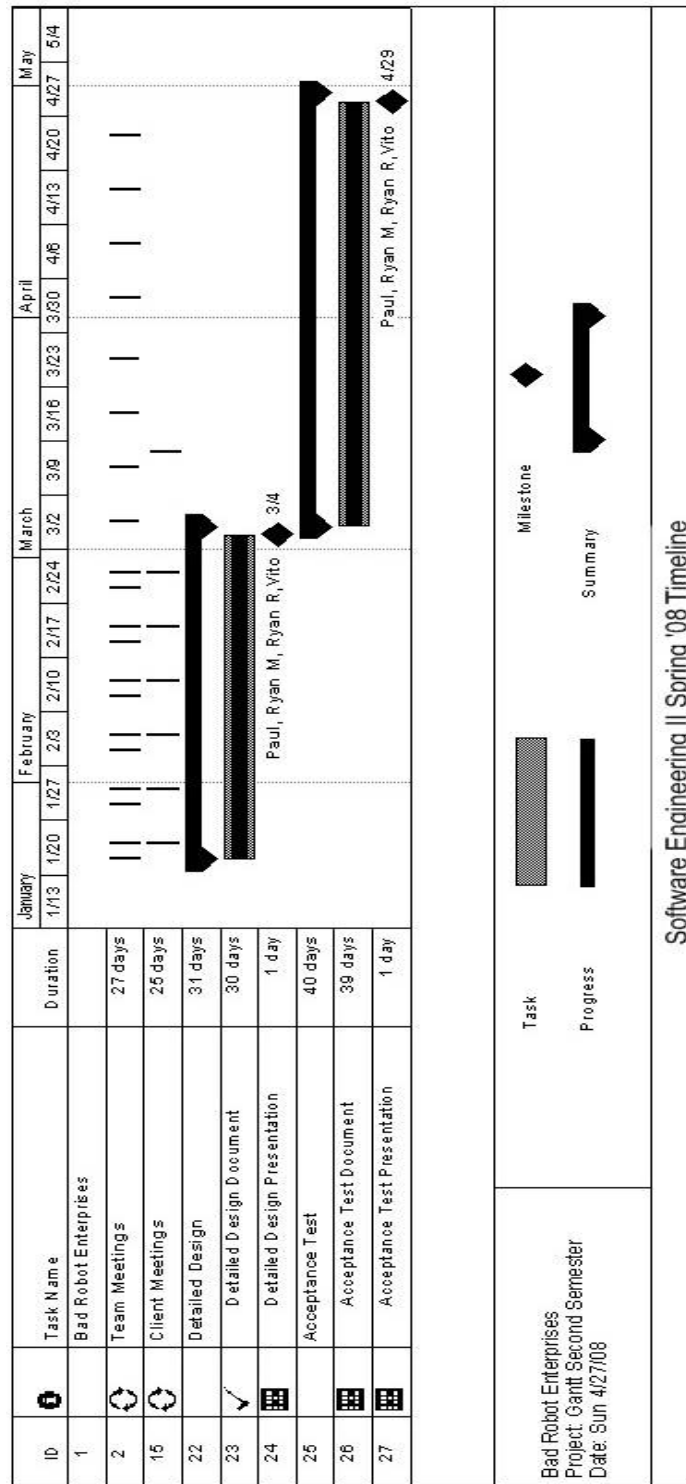
OS X - The latest operating system for Macintosh computers, based on the Linux kernel but with a more user-friendly graphic interface. It includes networking capabilities.

PHP – PHP Hypertext Preprocessor – An open source (free) programming language that is used for dynamic pages and is a high-level scripting language.

Profiles – User created accounts that will be customizable according to each specific person.

XHTML – Extensible HyperText Markup Language – has same capabilities of HTML but is more restricted to allow for conformity among multiple platforms.

## 9.2 Timeline (Gantt chart)



### **9.3 Packaging Specifications**

Bad Robot Enterprises will install all the necessary files and features of the International Online Survey on the Siena Computer Science network, Oraserve. There will then be a web address supplied for users to access our application.

All files and applications will be put on a CD for future use.