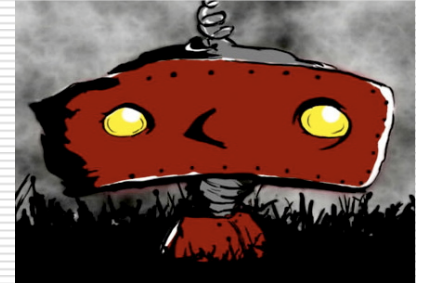


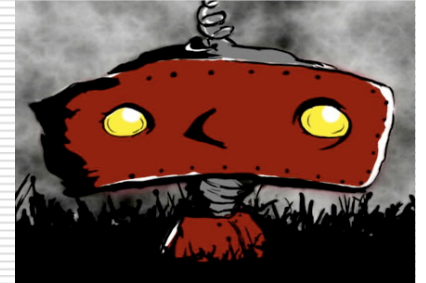
BAD ROBOT ENTERPRISES



INTERNATIONAL ONLINE SURVEY (IOS) REQUIREMENTS SPECIFICATION

Roger Bacon Science Center, Room 328
October 26, 2007
8:15 am

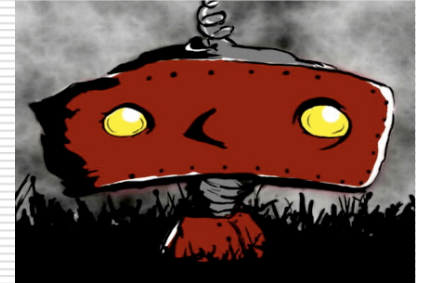
WELCOME



Dr. Darren Lim
Computer Science
Siena College

Dr. Manimoy Paul
Quantitative Business Analysis
Siena College

TEAM MEMBERS



Paul Borchers.....Team Leader
pm15borc@siena.edu

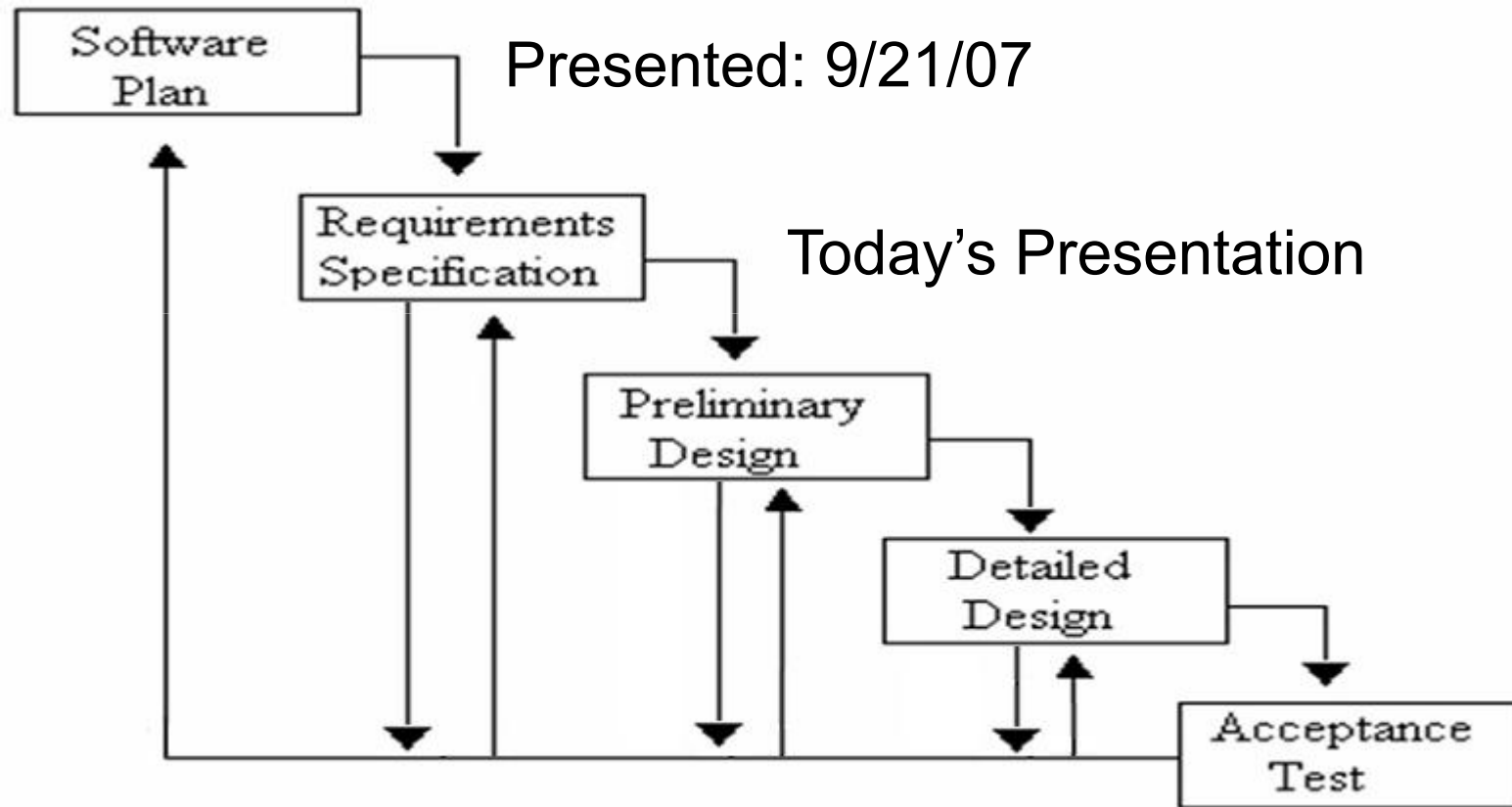
Vito Urbano.....Librarian
va23urba@siena.edu

Ryan May.....Webmaster
r15may@siena.edu

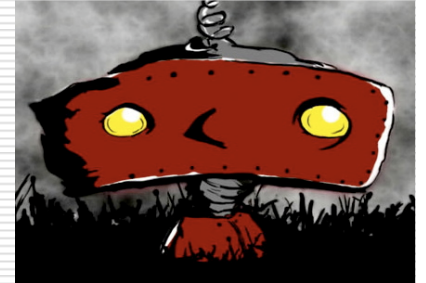
Ryan Rose.....Systems Administrator
rc26rose@siena.edu



CURRENT PROGRESS

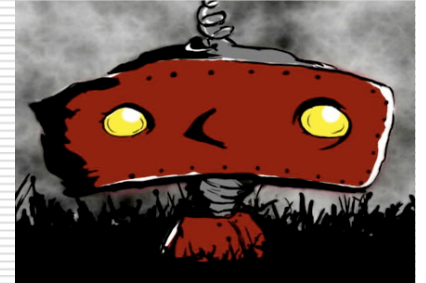


AGENDA

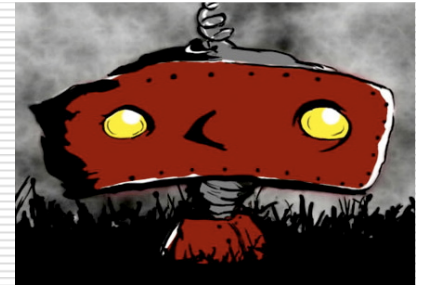


- Problem Definition
- Data Flow Diagrams
- Use Case Narratives
- Functional Requirements Inventory
- Prototypes
- Status Report

AGENDA



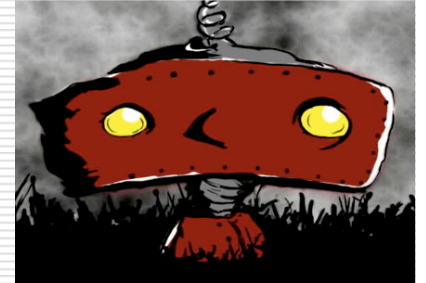
- Problem Definition**
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PROBLEM DEFINITION

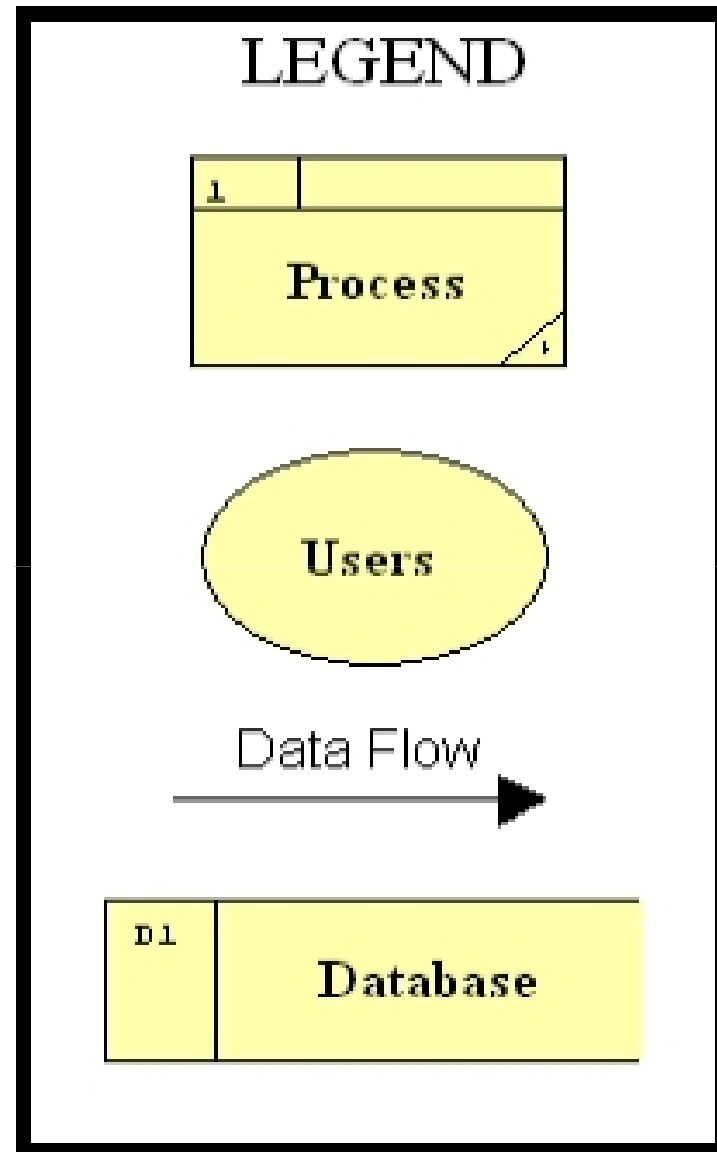
- Create, edit, and distribute surveys.
- Similar to web service Survey Monkey.
- Permissions for administrators, teachers, and students.
- Administrators oversee, teachers create, students take.
- General surveys and protected surveys.

AGENDA

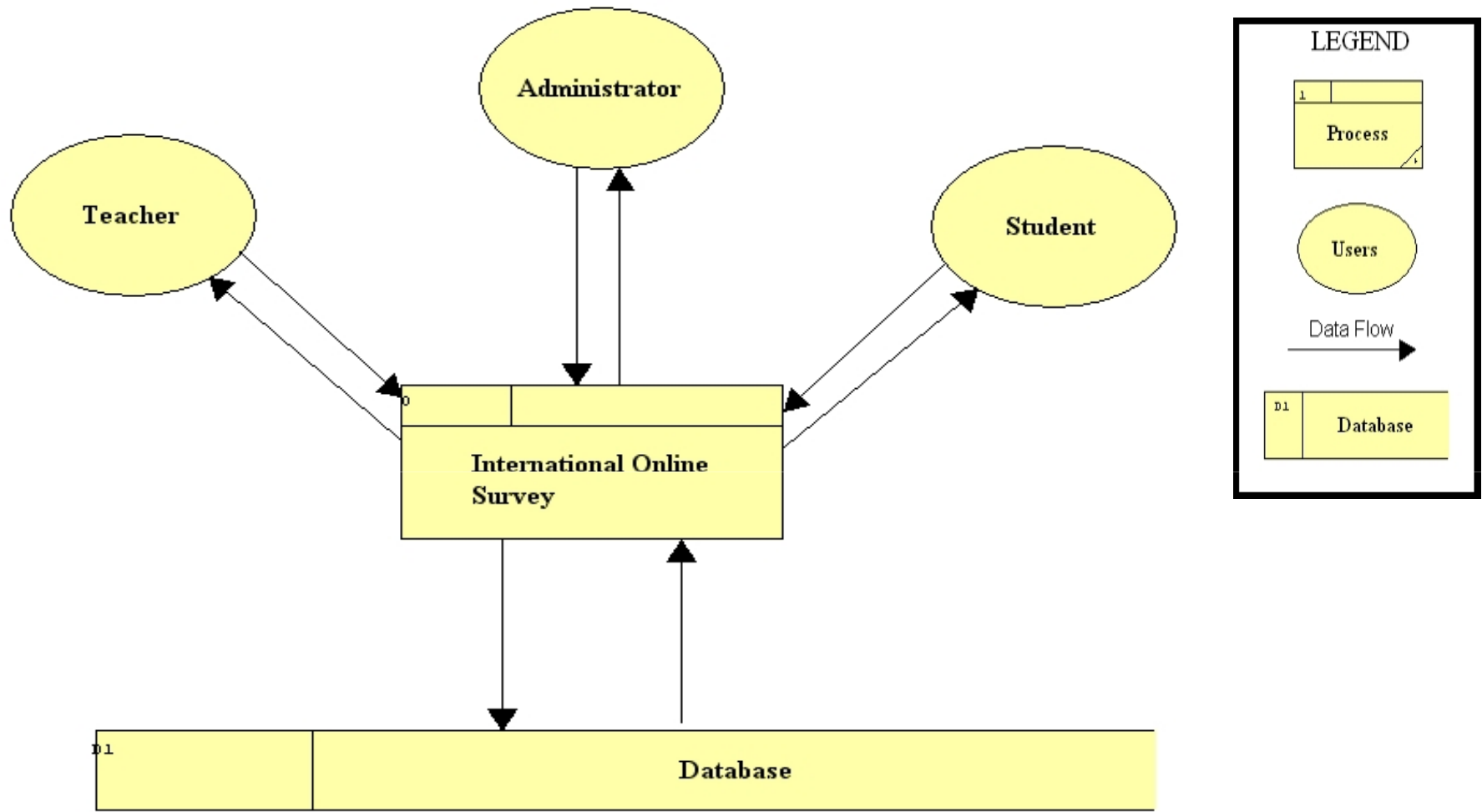


- Problem Definition
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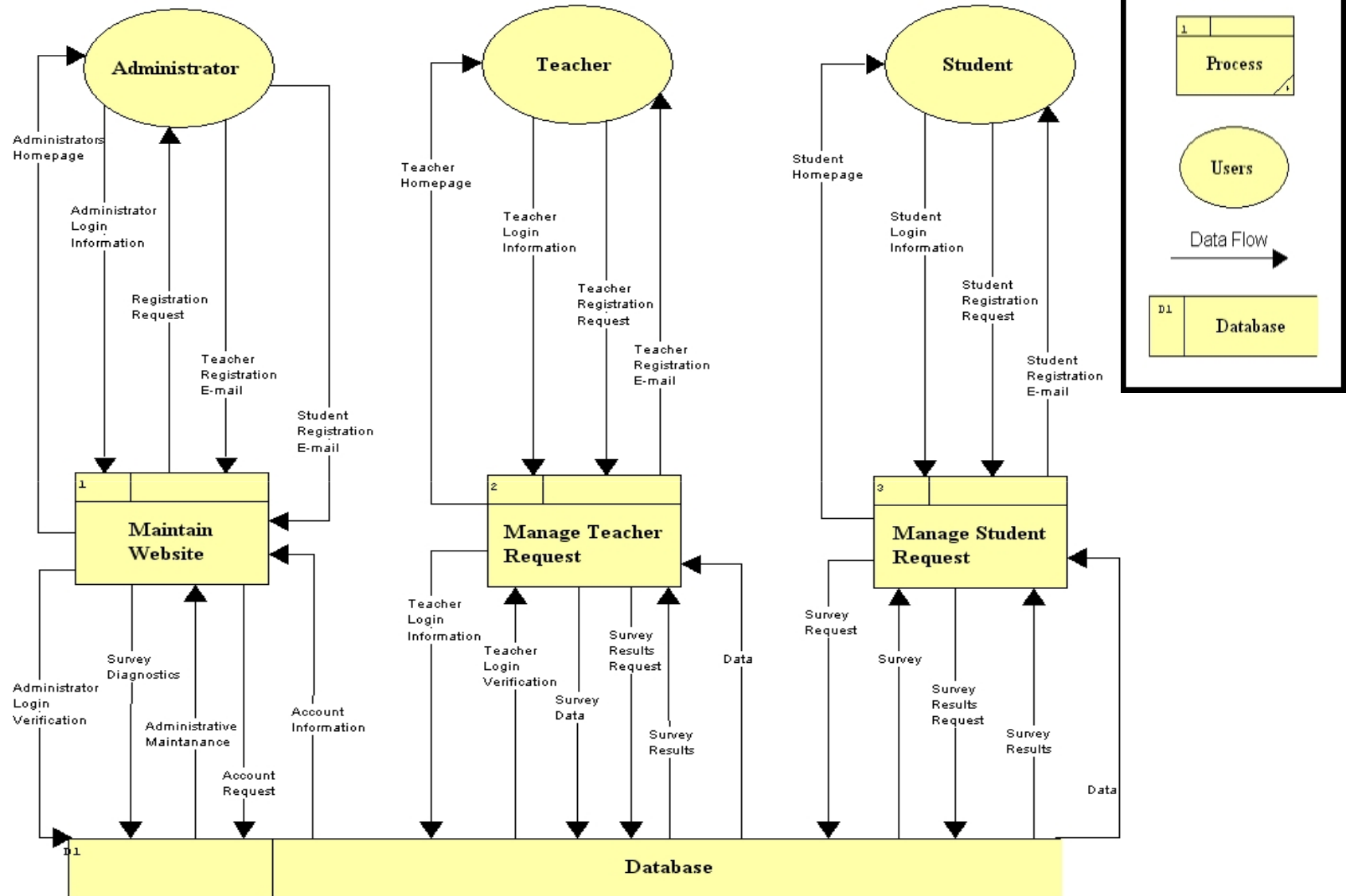
DATA FLOW DIAGRAM



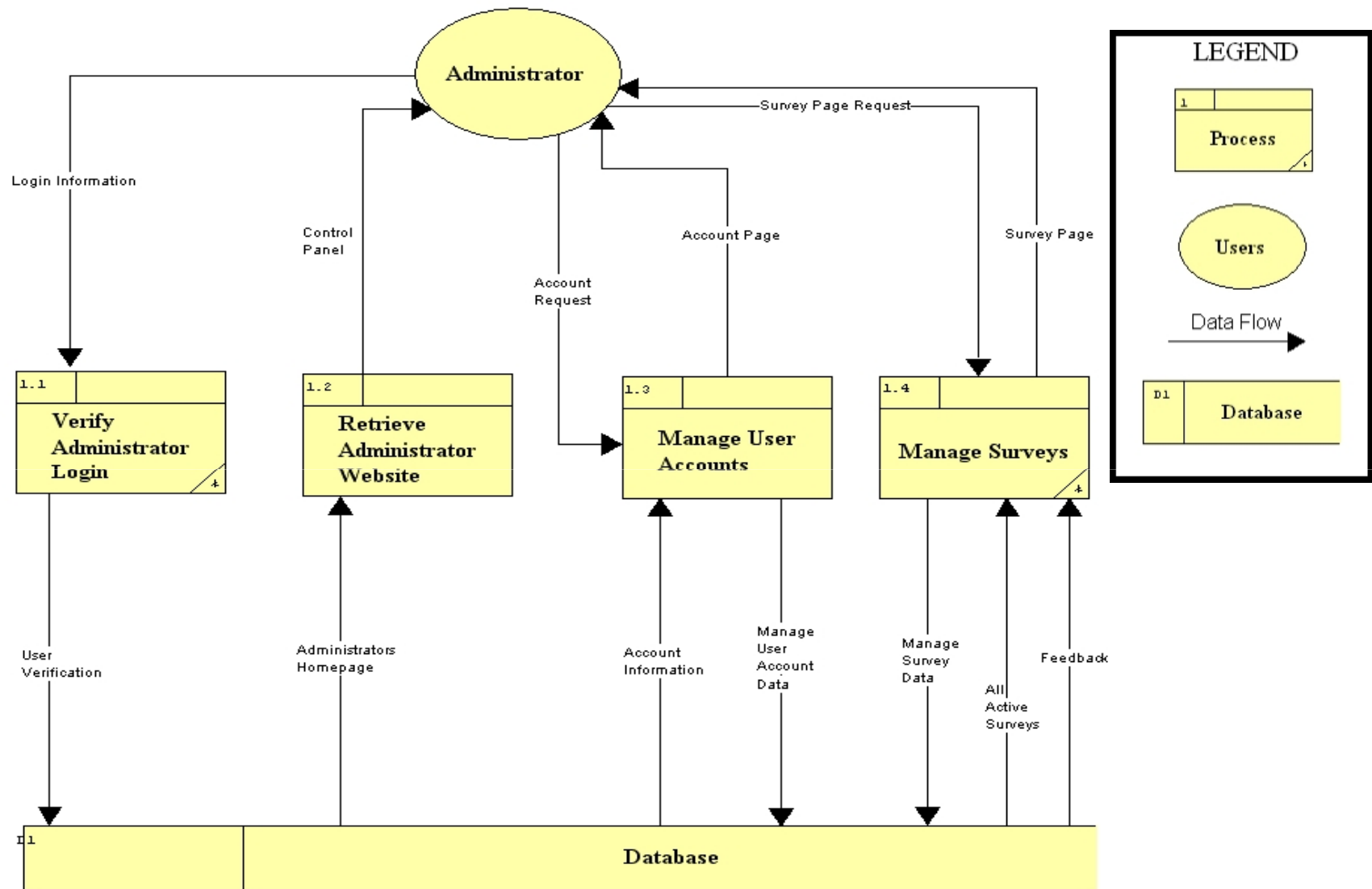
CONTEXT DIAGRAM



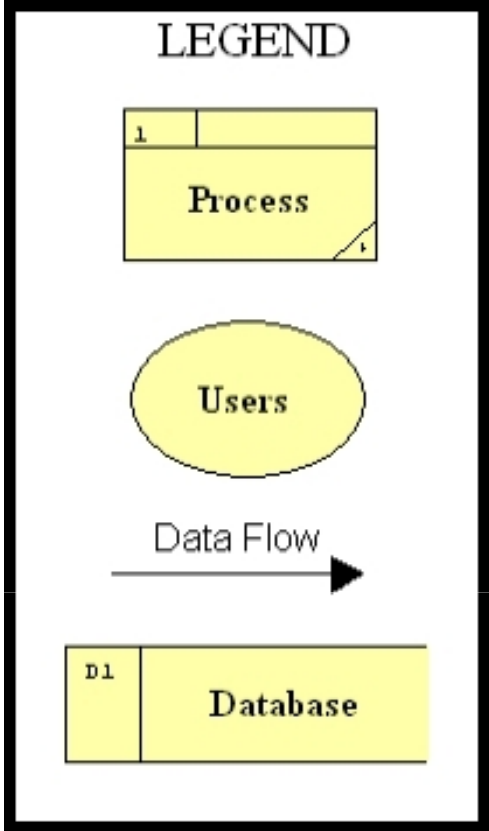
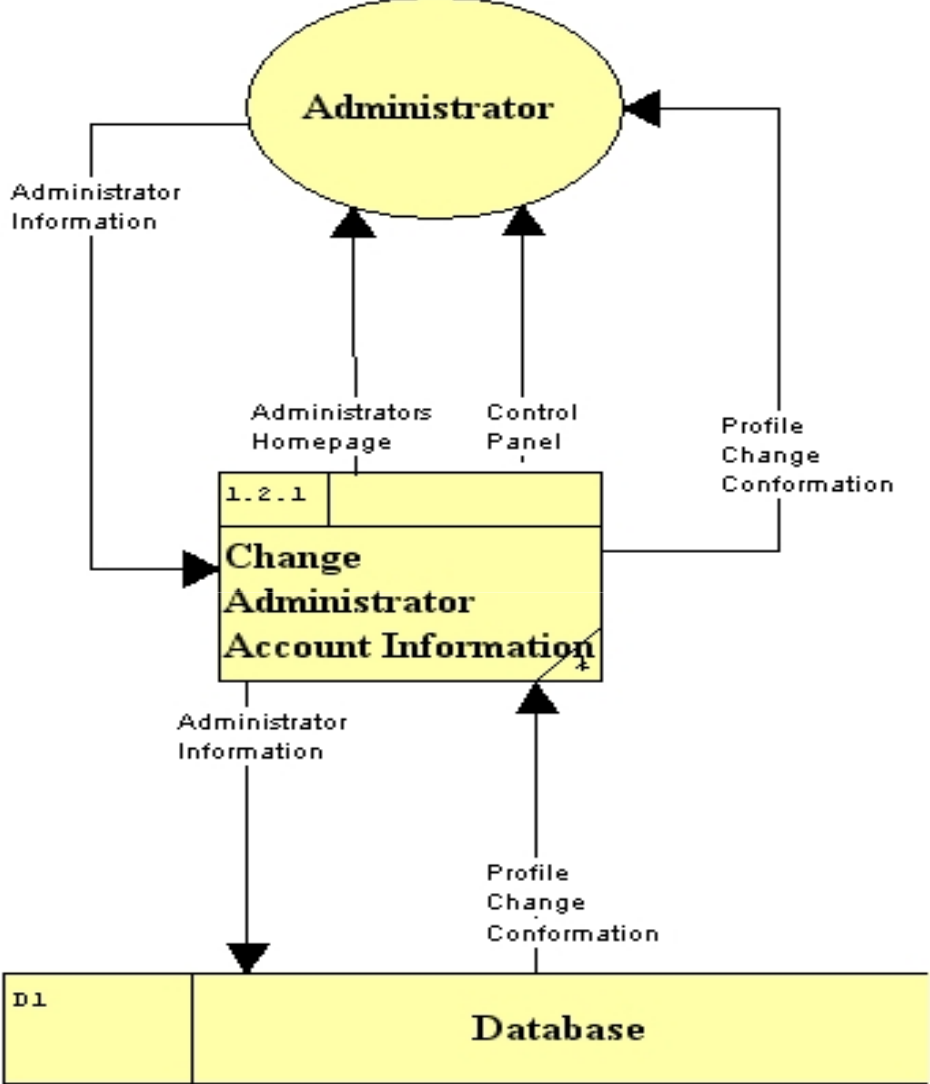
LEVEL 0 DIAGRAM



LEVEL 1 DIAGRAM



LEVEL 2 DIAGRAM





AGENDA

- Problem Definition
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USE CASE NARRATIVE

Three Users

- Student
- Teacher
- Administrator

USE CASE NARRATIVE

Student

- Create Student Account

- Take Survey

USE CASE NARRATIVE

Teacher

- Create Teacher Account

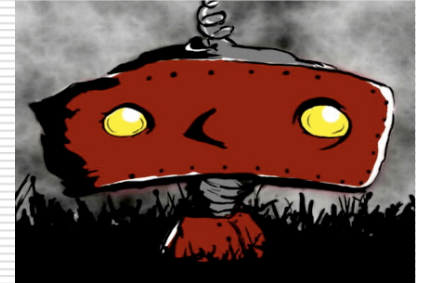
- Make/Edit Surveys

Use Case Narrative

Administrator

- Allow Creation of Accounts
- Account Management
- Survey Management

AGENDA



- Problem Definition
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FUNCTIONAL REQUIREMENTS INVENTORY



□ **General:**

- The International Online Survey is web-based.

□ **Administrator User:**

- Will have an account.
- Will have a username and password.
- Establish usernames and passwords for other users.
- Remove surveys and users from the database.

FUNCTIONAL REQUIREMENTS INVENTORY (cont.)



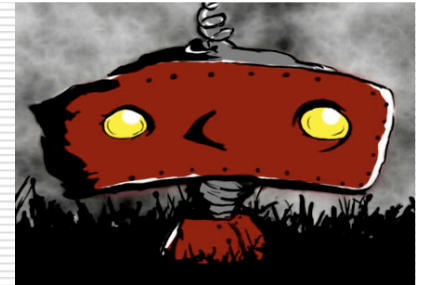
Login Screen:

- Log in with correct username and password.
- Error message if login fails.

Welcome Screen:

- Access to a control panel.
- View all surveys.
- View site statistics.

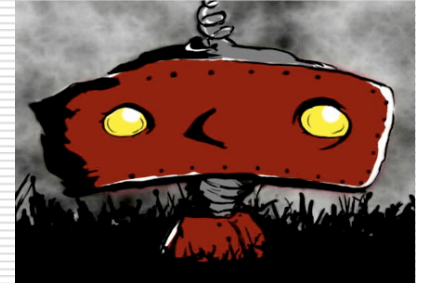
FUNCTIONAL REQUIREMENTS INVENTORY (cont.)



□ Control Panel Index Screen:

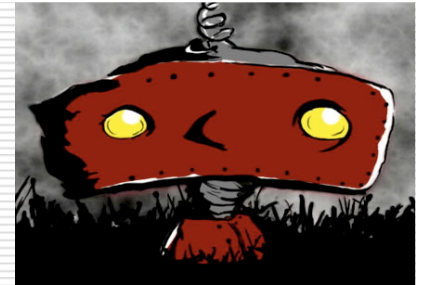
- Change user passwords in control panel.
- Change user permissions for survey taking/creating.
- Search and delete any illegal surveys.
- Remove members violating rules of site.
- Create new accounts upon request.

FUNCTIONAL REQUIREMENTS INVENTORY (cont.)



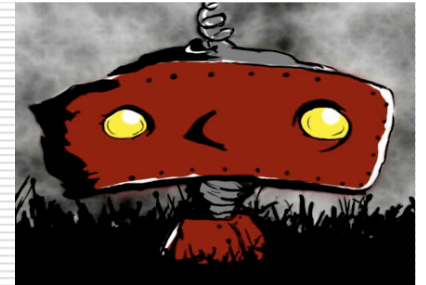
- User Permissions Control Panel Screen:**
 - Choose user to set permissions.
 - Choose permission level for user.
 - Submit the changes.
 - Indication that changes were stored.

FUNCTIONAL REQUIREMENTS INVENTORY (cont.)



- ❑ **Survey/User Check Control Panel Screen:**
 - Search database for illegal surveys.
 - Remove illegal surveys.
 - Remove or warn users.
 - Submit the changes.
 - Indication that changes were stored.

FUNCTIONAL REQUIREMENTS INVENTORY (cont.)



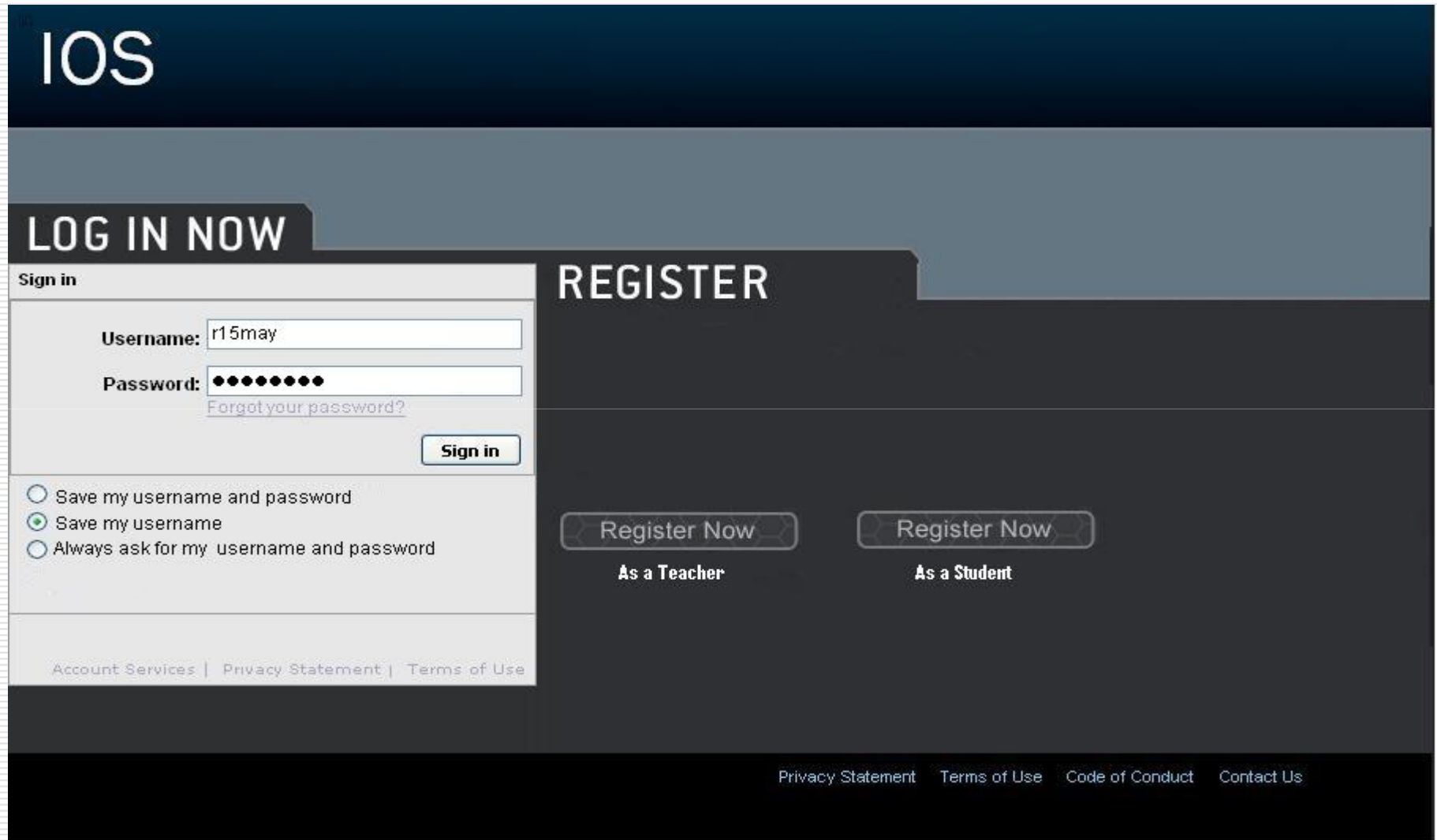
- ❑ **Create User Screen:**
 - View user's account requests.
 - Email name and password to users.
 - Check if account name already exists.
 - Check if email address already registered.
 - Give out student or teacher account.



AGENDA

- Problem Definition
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LOGIN PAGE



TEACHER ACCOUNT CREATION

IOS Create Your Account

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

Alternate e-mail address:
Optional

STUDENT ACCOUNT CREATION

IOS Create Your Account

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

Alternate e-mail address:
Optional

Enter your account information

First name:

Last name:

Gender: Male Female

Birth date:

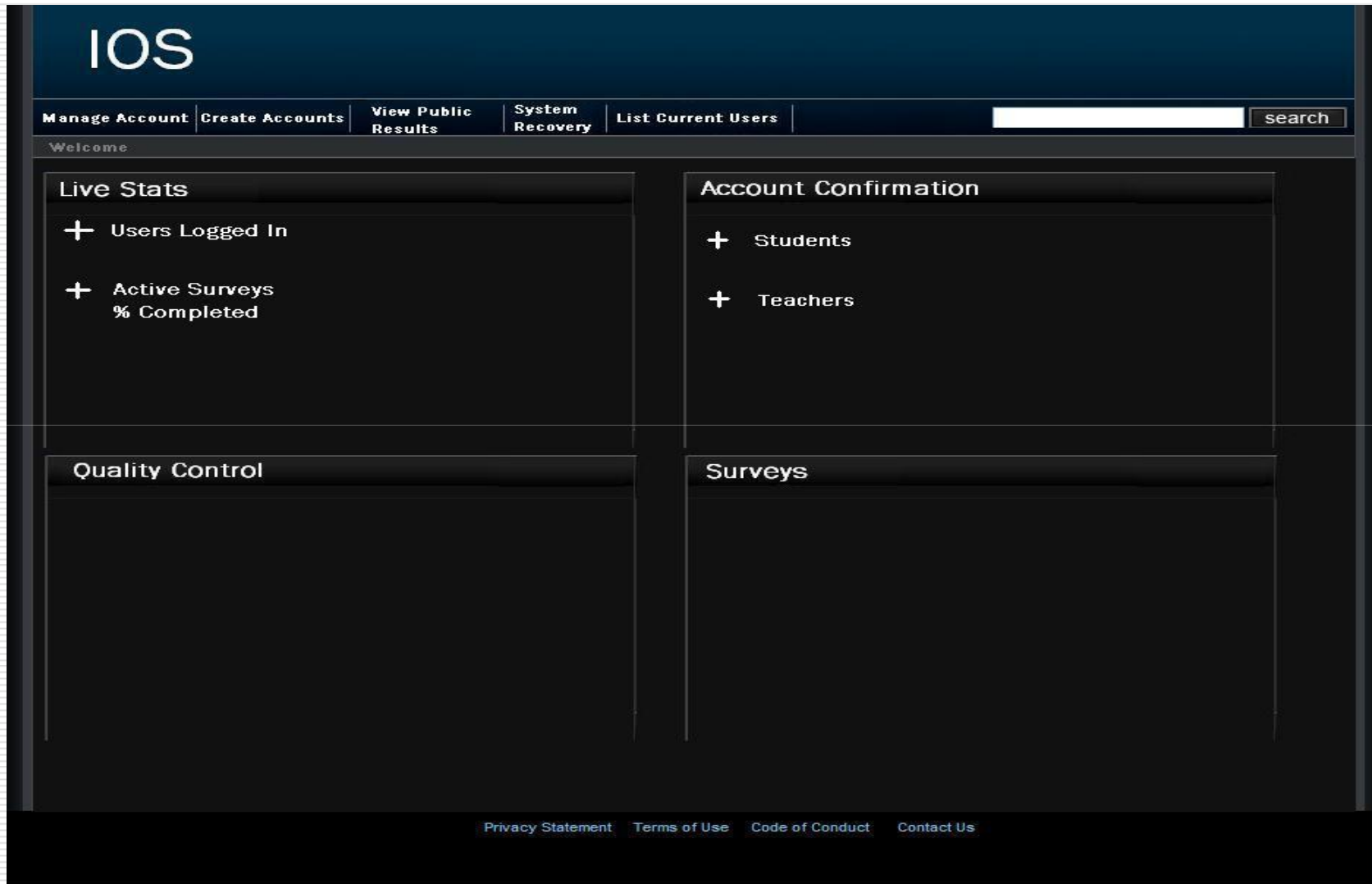
State:

ZIP code:

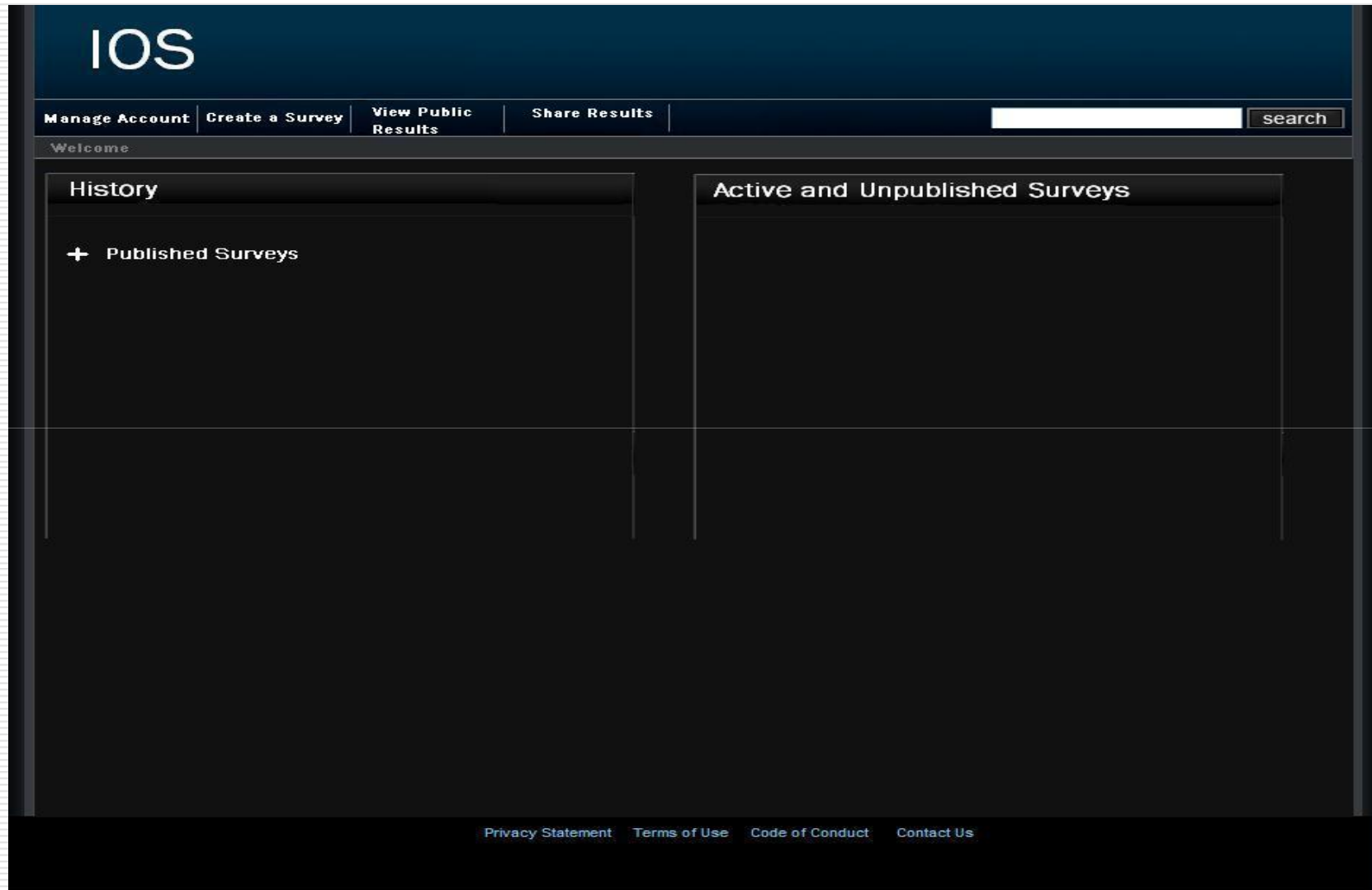
Time zone:

I own or work with a small business

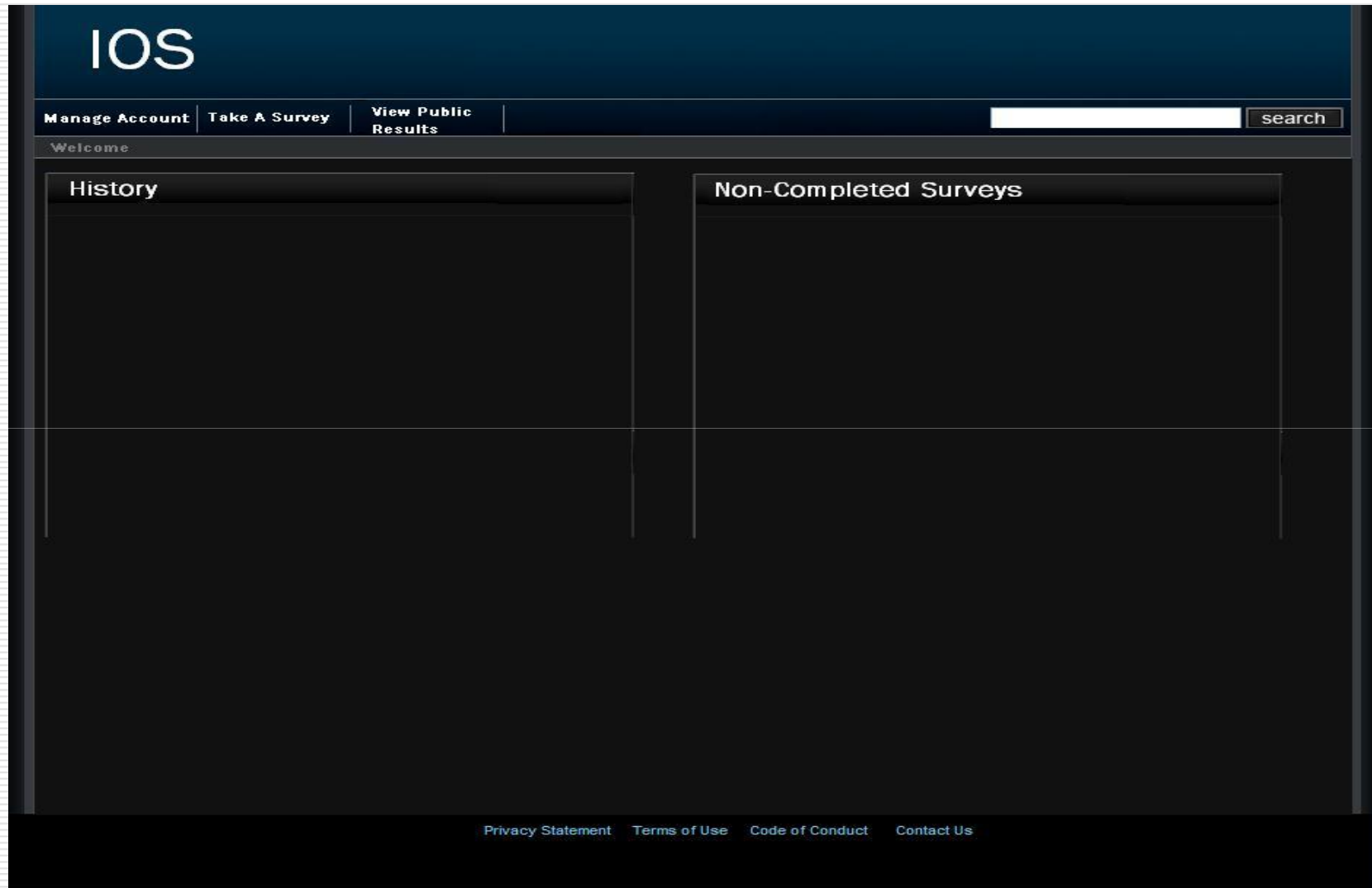
ADMINISTRATOR WELCOME



TEACHER WELCOME



STUDENT WELCOME



ADMINISTRATOR/TEACHER ACCOUNT MANAGEMENT PAGE

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:

ADMINISTRATOR ACCOUNT CREATION PAGE

IOS Create An Account

Email Address :

Type of Account : Teacher
 Student

LIST CURRENT USERS (ADMINISTRATOR)

IOS List Current Users

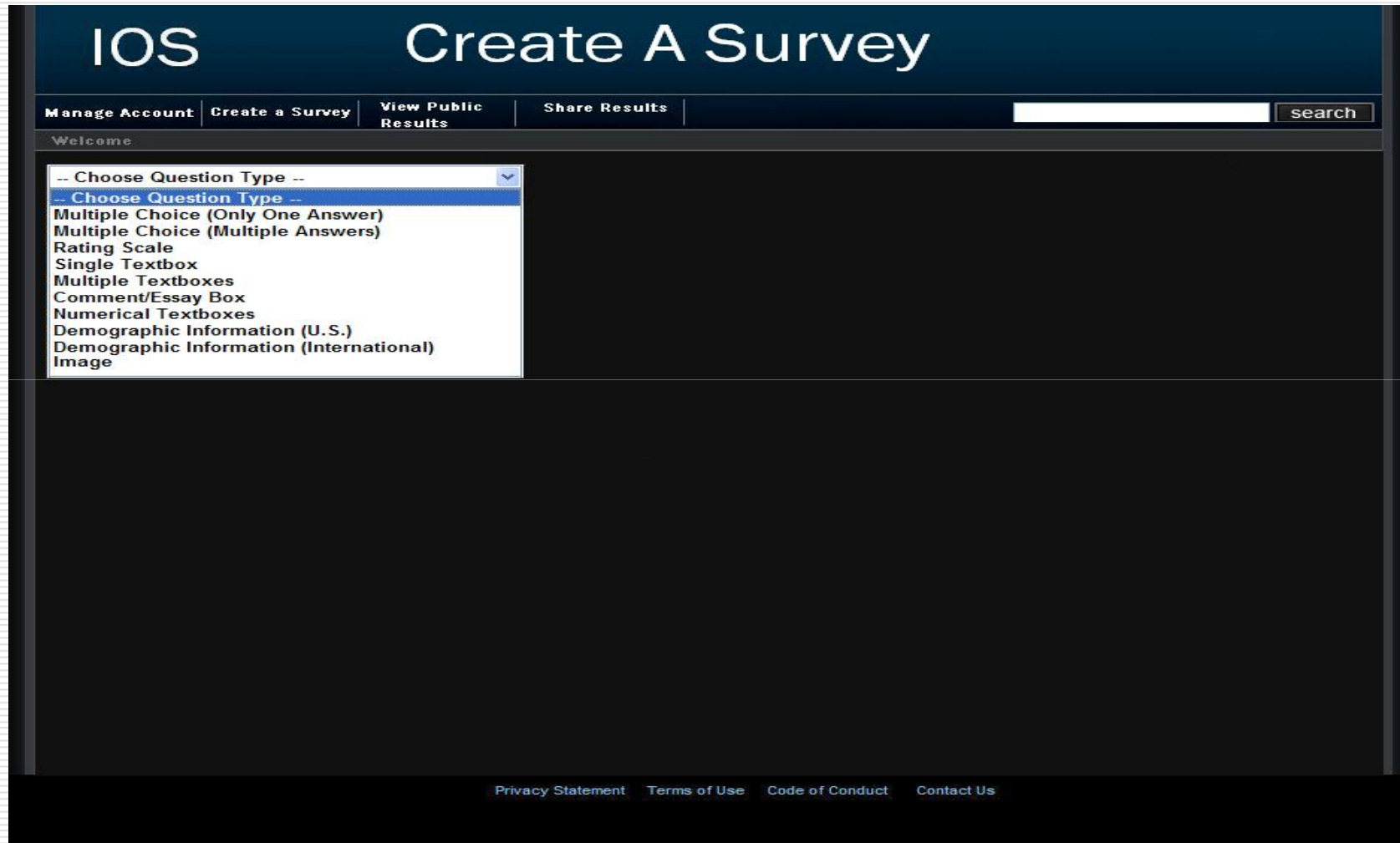
Teachers A B C D E F G H I J K L M >>

Students A B C D E F G H I J K L M >>

Search Students Teachers Both

Search

TEACHER SURVEY CREATION



TEACHER SHARE RESULTS

IOS Share Results

Make these Surveys Public to the Community

- Test Survey
- Test Survey
- Test Survey

STUDENT ACCOUNT MANAGEMENT

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

STUDENT SURVEY PAGE

IOS **Take A Survey**

[Manage Account](#) | [Take A Survey](#) | [View Public Results](#) |

Welcome

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
- Bauer

[Privacy Statement](#) | [Terms of Use](#) | [Code of Conduct](#) | [Contact Us](#)

PUBLIC RESULTS PAGE

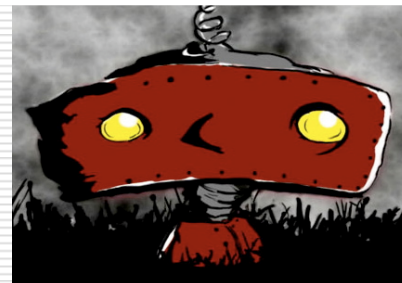
IOS Public Results

General Search Search for Survey Results

By Location

By Type

By Date

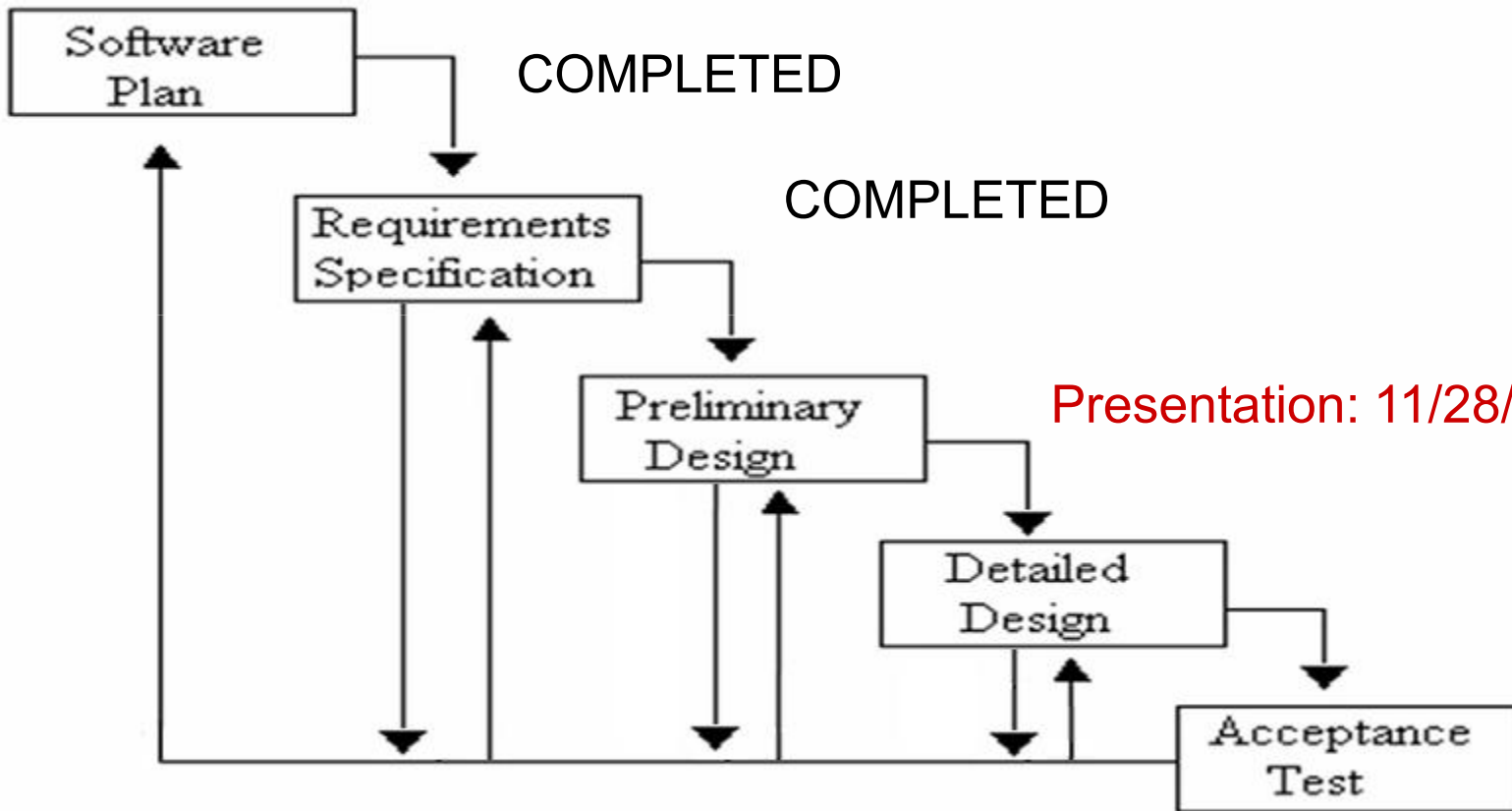


AGENDA

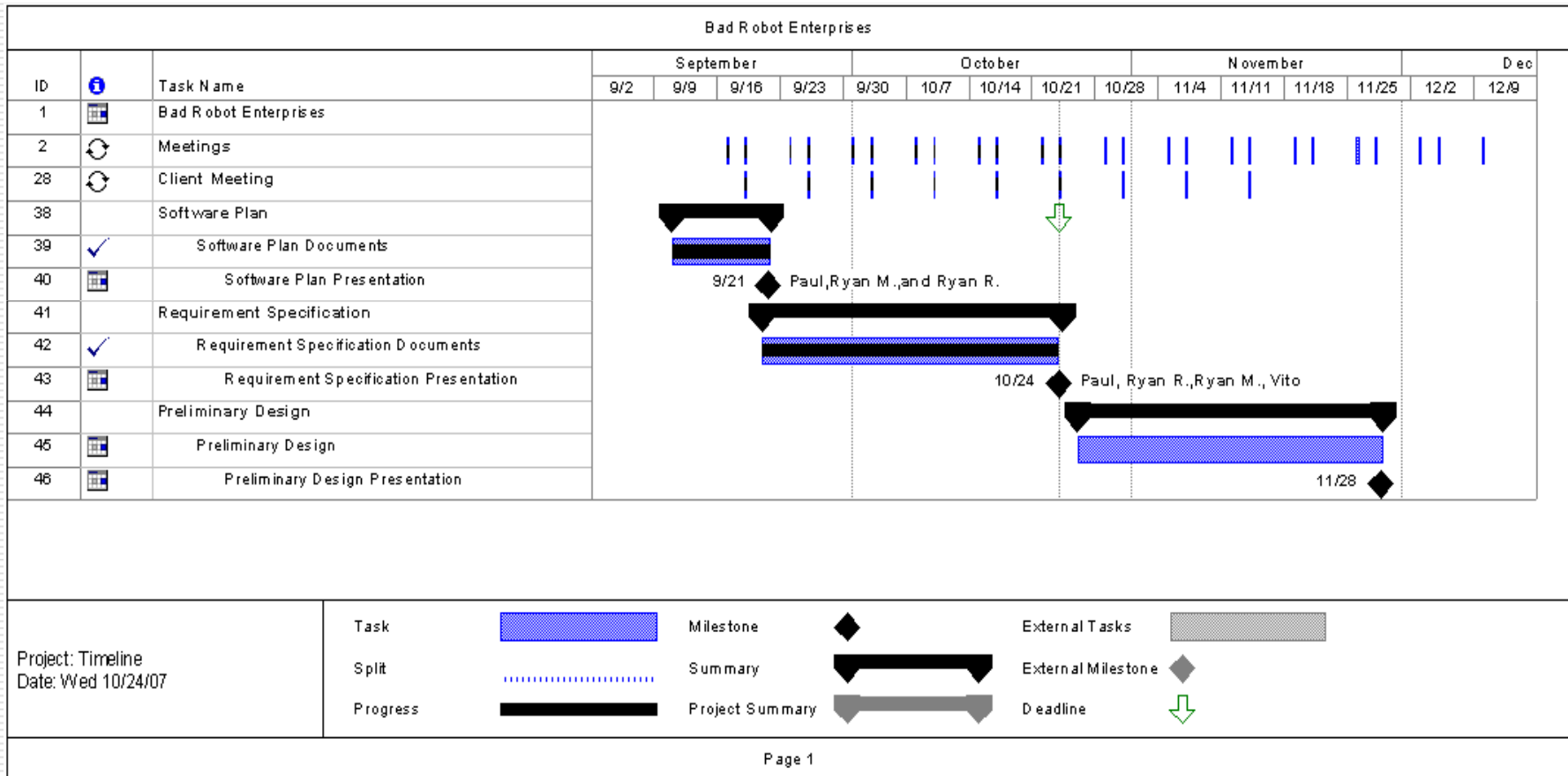
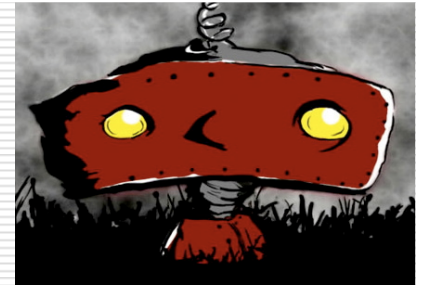
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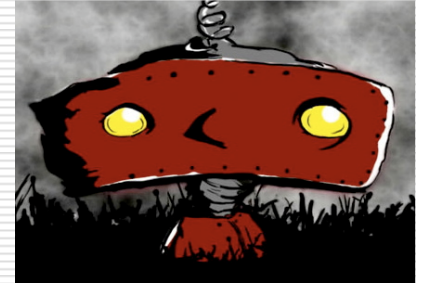
WATERFALL MODEL



DEVELOPMENT TIMELINE



SUMMARY - QUESTIONS?



- Problem Definition
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