

BAD ROBOT ENTERPRISES



INTERNATIONAL ONLINE SURVEY (IOS) DETAILED DESIGN

Roger Bacon Science Center, Room 328
March 4th, 2008
7:00 pm

WELCOME



Dr. Darren Lim
Computer Science
Siena College

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Siena College



TEAM MEMBERS

Ryan Rose.....Team Leader
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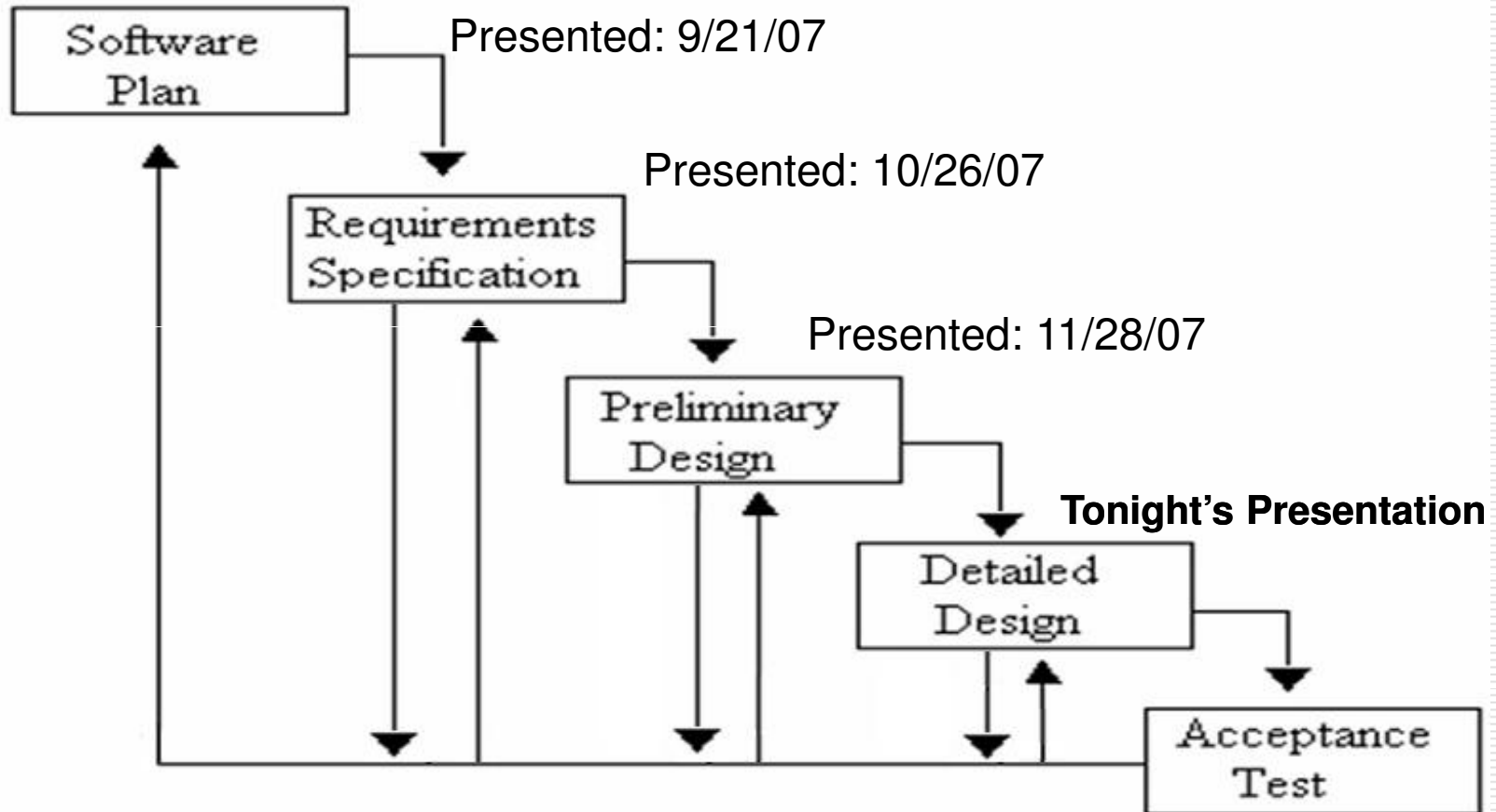
Vito Urbano.....Librarian
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Ryan May.....Webmaster
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Paul Borchers.....Systems Administrator
pm15borc@siena.edu



CURRENT PROGRESS





AGENDA

- ❑ Problem Definition – Ryan Rose
 - ❑ Prototypes – Ryan May
 - ❑ Database Design – Paul Borchers
 - ❑ Test Plan – Vito Urbano
 - ❑ Timeline – Vito Urbano
 - ❑ What's Next, Important Dates, and Questions – Paul Borchers
-



AGENDA

- ❑ **Problem Definition – Ryan Rose**
- ❑ Prototypes – Ryan May
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PROBLEM DEFINITION

- Web based survey creation application.
- To be able to create and distribute surveys.
- Administrators oversee, teachers create, students complete.
- Download of results to local computer.

PROGRAM'S FUNCTION

- Web Program that will use a database to store information.
 - Student and Teacher Accounts
 - Surveys

- Program will allow Teacher to download results
 - Excel file



AGENDA

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- **Prototypes – Ryan May**
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- Timeline – Vito Urbano
- What's Next, Important Dates, and Questions – Paul Borchers

LOGIN PAGE

IOS

LOG IN NOW

E-mail address:

Password:

[Forgot your password?](#)

Save my e-mail address and password

Save my e-mail address

Always ask for my e-mail address and password

REGISTER

As a Teacher

As a Student

PASSWORD RECOVERY

IOS

Password Recovery

***Please enter your secret answer and your email address. Your password will be emailed.**

Question:

Secret answer:

e-mail address:

Submit

LOGIN PAGE

The image shows a web page for 'IOS' with a dark green header. Below the header, there are two main sections: 'LOG IN NOW' and 'REGISTER'. The 'LOG IN NOW' section is on the left and contains a form with an 'E-mail address' field (containing 'r15may'), a 'Password' field (with 10 dots), a 'Forgot your password?' link, and a 'Log In' button. Below the form are three radio button options: 'Save my e-mail address and password', 'Save my e-mail address' (which is selected), and 'Always ask for my e-mail address and password'. The 'REGISTER' section is on the right and contains two buttons: 'Register Now As a Teacher' and 'Register Now As a Student'.

IOS

LOG IN NOW

E-mail address:

Password:

[Forgot your password?](#)

Save my e-mail address and password

Save my e-mail address

Always ask for my e-mail address and password

REGISTER

As a Teacher

As a Student

TEACHER ACCOUNT CREATION

IOS

Create Your Account (Teacher)

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:

Optional

TEACHER WELCOME

IOS Teacher

[Manage Account](#) | [Create a Survey](#) |

Welcome Paul Borchers [Log Out](#)

History

— Completed Surveys

Name	Topic	Date	Delete	Download
Test Survey 1	CSIS	11/2/07	<input type="checkbox"/>	<input type="button" value="txt"/>
Test Survey 2	Math	11/7/07	<input type="checkbox"/>	<input type="button" value="txt"/>
Test Survey 3	Poly	11/8/07	<input type="checkbox"/>	<input type="button" value="txt"/>
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>	<input type="button" value="txt"/>

Active and Unpublished Surveys

— Active Surveys

Name	Topic	End Date	Delete	Stop
Active Survey1	History	11/15/07	<input type="checkbox"/>	<input type="checkbox"/>
Active Survey2	Software	11/16/07	<input type="checkbox"/>	<input type="checkbox"/>

— Unpublished Surveys

Name	Topic	Date	Activate	Delete
Paul Survey	Astronomy	11/18/07	<input type="checkbox"/>	<input type="checkbox"/>

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:

[Back to Welcome Page](#)

TEACHER WELCOME

The screenshot displays the 'IOS Teacher' interface. At the top, there are navigation links for 'Manage Account' and 'Create a Survey', along with a search bar. A welcome message 'Welcome Paul Borchers' and a 'Log Out' link are visible. The main content is divided into two panels: 'History' and 'Active and Unpublished Surveys'.

History

— Completed Surveys

Name	Topic	Date	Delete	Download
Test Survey 1	CSIS	11/2/07	<input type="checkbox"/>	.txt
Test Survey 2	Math	11/7/07	<input type="checkbox"/>	.txt
Test Survey 3	Poly	11/8/07	<input type="checkbox"/>	.txt
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>	.txt

Active and Unpublished Surveys

— Active Surveys

Name	Topic	End Date	Delete	Stop
Active Survey1	History	11/15/07	<input type="checkbox"/>	<input type="checkbox"/>
Active Survey2	Software	11/16/07	<input type="checkbox"/>	<input type="checkbox"/>

— Unpublished Surveys

Name	Topic	Date	Activate	Delete
Paul Survey	Astronomy	11/18/07	<input type="checkbox"/>	<input type="checkbox"/>

TEACHER INITIAL SURVEY CREATION PAGE

IOS **Create A Survey**

[Manage Account](#) | [Create a Survey](#)

Enter Your Survey's Topic

Enter Your Survey's Name

Make Your Questions:

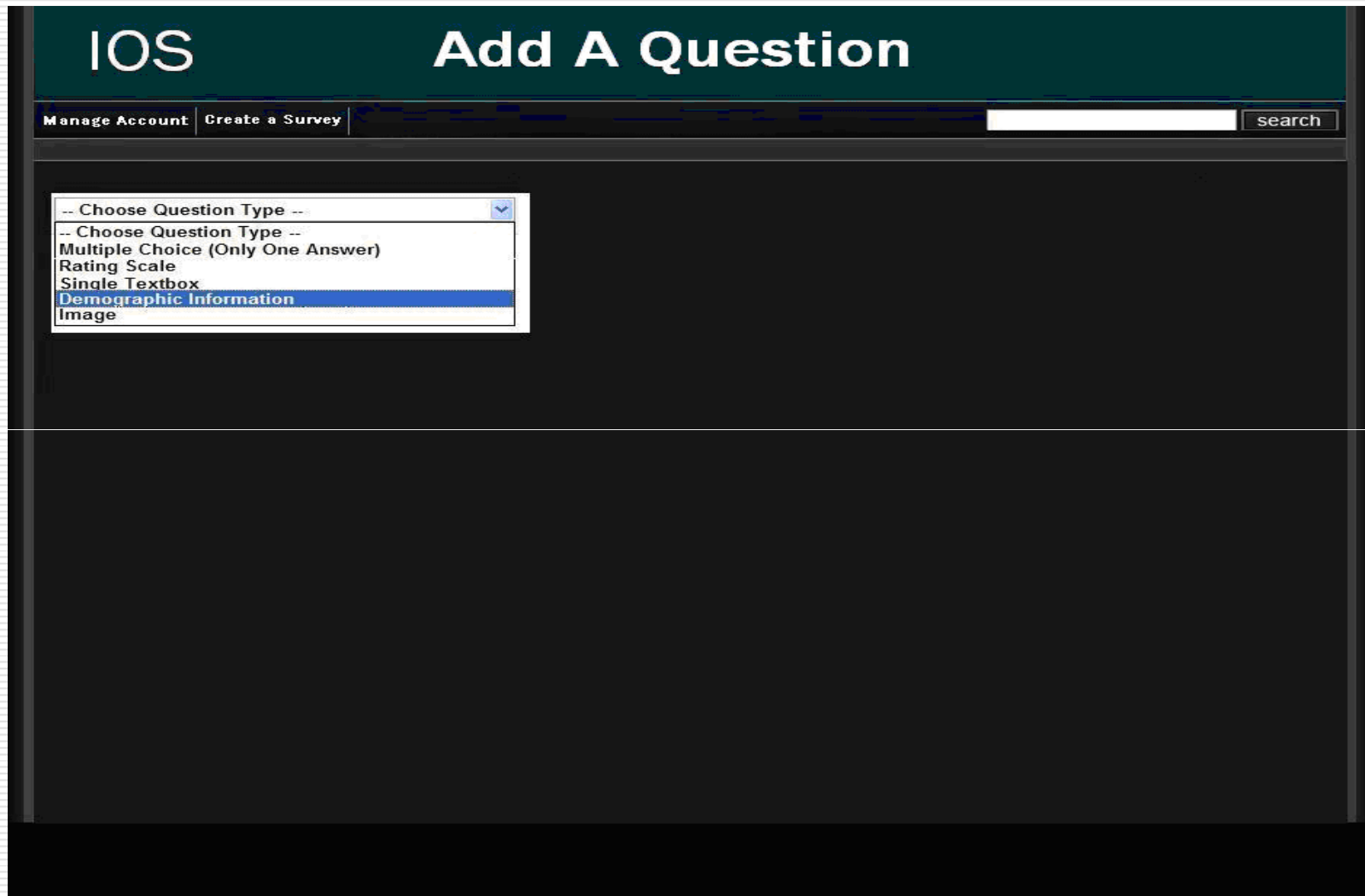
Anonymous

Protected

TEACHER EDIT SURVEY PAGE (BLANK)



TEACHER ADD A QUESTION PAGE (BLANK)



DEMOGRAPHIC

IOS Add A Demographic Question

[Manage Account](#) | [Create a Survey](#)

-- 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

RATING SCALE

IOS Add a Rating Scale 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

Question Text

Row Choices (each choice on separate lines)

Column Choices

Select the number of ratings below

4

Label:	<input type="text"/>	Weight:	<input type="text" value="1"/>
Label:	<input type="text"/>	Weight:	<input type="text" value="2"/>
Label:	<input type="text"/>	Weight:	<input type="text" value="3"/>
Label:	<input type="text"/>	Weight:	<input type="text" value="4"/>

Submit

MULTIPLE CHOICE

The screenshot shows a web interface for adding a question. At the top, there is a dark blue header with the text "IOS" and "Add A Multiple Choice Question". Below the header, there are navigation links for "Manage Account" and "Create a Survey", and a search bar with the text "search".

The main content area features a dropdown menu for selecting a question type. The dropdown is open, showing the following options:

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

Below the dropdown, there are two text input fields. The first is labeled "Question Text" and the second is labeled "Answer Choices (each choice on separate lines)". Both fields have a vertical scrollbar on the right side.

At the bottom right of the form, there is a "Submit" button.

TEXT BOX

The screenshot shows a web interface for adding a question. At the top, the title 'IOS Add A Single Textbox Question' is displayed. Below the title, there are navigation links for 'Manage Account' and 'Create a Survey', and a search bar. A dropdown menu is open, showing options: '-- Choose Question Type --', '-- Choose Question Type --', 'Multiple Choice (Only One Answer)', 'Rating Scale', 'Single Textbox' (highlighted), 'Demographic Information', and 'Image'. Below the dropdown is a 'Question Text' label and a large text input area. A 'Submit' button is located at the bottom right of the form.

IMAGE

IOS Add An Image Question

[Manage Account](#) | [Create a Survey](#) |

-- Choose Question Type --

-- Choose Question Type --

Multiple Choice (Only One Answer)

Rating Scale

Single Textbox

Demographic Information

Image

Image Description

Choose New Image

Upload an Image from your Computer

EDIT SURVEY PAGE

IOS Teacher

Manage Account | Create a Survey | search

Add Question

Move this question
↑ ↓
Delete

1. What is Software Engineering?
 sample answer
 sample answer
 sample answer3
 sample answer4

--Add Question From Pool--
-What is Software Engineering
-How much do you like doing Software Engineering
-What do you do in Software Engineering
-What are 4 Different Definitions of Software Engineering

Move this question
↑ ↓
Delete

2. How much do you like doing Software Engineering:
documents little little more neutral
tests
presentations

Move this question
↑ ↓
Delete

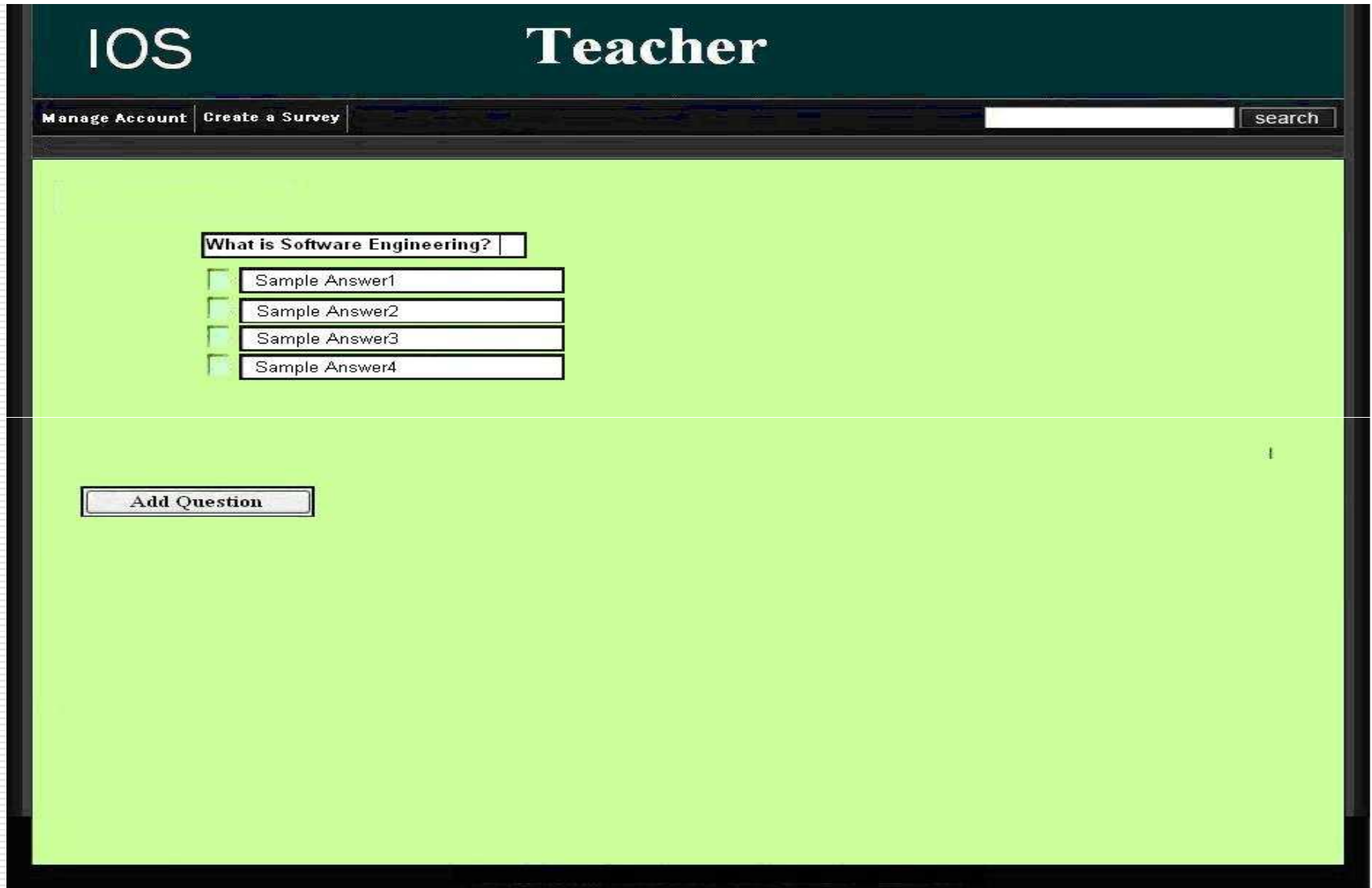
3. What do you do in Software Engineering?
[Redacted]

Move this question
↑ ↓
Delete

4. What are 4 different definitions of Software Engineering
ACM [Redacted]
IEEE [Redacted]
Pressman [Redacted]
Eauer [Redacted]

Preview Save Activate

ADD QUESTIONS FROM POOL PAGE



TEACHER WELCOME

The screenshot displays the 'IOS Teacher' interface. At the top, there are navigation links for 'Manage Account' and 'Create a Survey', along with a search bar. A welcome message 'Welcome Paul Borchers' and a 'Log Out' link are visible. The main content is divided into two panels: 'History' and 'Active and Unpublished Surveys'.

History

— Completed Surveys

Name	Topic	Date	Delete	Download
Test Survey 1	CSIS	11/2/07	<input type="checkbox"/>	.txt
Test Survey 2	Math	11/7/07	<input type="checkbox"/>	.txt
Test Survey 3	Poly	11/8/07	<input type="checkbox"/>	.txt
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>	.txt

Active and Unpublished Surveys

— Active Surveys

Name	Topic	End Date	Delete	Stop
Active Survey1	History	11/15/07	<input type="checkbox"/>	<input type="checkbox"/>
Active Survey2	Software	11/16/07	<input type="checkbox"/>	<input type="checkbox"/>

— Unpublished Surveys

Name	Topic	Date	Activate	Delete
Paul Survey	Astronomy	11/18/07	<input type="checkbox"/>	<input type="checkbox"/>

FORMAT OF RESULTS

	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

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Test Survey 4	Physics	11/9/07	<input type="checkbox"/>	.txt

Active and Unpublished Surveys

— Active Surveys

Name	Topic	End Date	Delete	Stop
Active Survey1	History	11/15/07	<input type="checkbox"/>	<input type="checkbox"/>
Active Survey2	Software	11/16/07	<input type="checkbox"/>	<input type="checkbox"/>

— Unpublished Surveys

Name	Topic	Date	Activate	Delete
Paul Survey	Astronomy	11/18/07	<input type="checkbox"/>	<input type="checkbox"/>

TEACHER PREVIEW OF SURVEY PAGE

IOS Preview

Manage Account | Create 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
- Preseman
- Bauer

TEACHER WELCOME

The screenshot displays the 'IOS Teacher' interface. At the top, there are navigation links for 'Manage Account' and 'Create a Survey', along with a search bar. A welcome message 'Welcome Paul Borchers' and a 'Log Out' link are visible. The main content is divided into two panels: 'History' and 'Active and Unpublished Surveys'.

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Test Survey 3	Poly	11/8/07	<input type="checkbox"/>	.txt
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>	.txt

Active and Unpublished Surveys

— Active Surveys

Name	Topic	End Date	Delete	Stop
Active Survey1	History	11/15/07	<input type="checkbox"/>	<input type="checkbox"/>
Active Survey2	Software	11/16/07	<input type="checkbox"/>	<input type="checkbox"/>

— Unpublished Surveys

Name	Topic	Date	Activate	Delete
Paul Survey	Astronomy	11/18/07	<input type="checkbox"/>	<input type="checkbox"/>

EDIT SURVEY PAGE

IOS Teacher

Manage Account | Create a Survey | search

Add Question

Move this question
↑ ↓
Delete

1. What is Software Engineering?
 sample answer
 sample answer
 sample answer3
 sample answer4

--Add Question From Pool--
-What is Software Engineering
-How much do you like doing Software Engineering
-What do you do in Software Engineering
-What are 4 Different Definitions of Software Engineering

Move this question
↑ ↓
Delete

2. How much do you like doing Software Engineering:
documents little little more neutral
tests
presentations

Move this question
↑ ↓
Delete

3. What do you do in Software Engineering?
[Redacted]

Move this question
↑ ↓
Delete

4. What are 4 different definitions of Software Engineering
ACM [Redacted]
IEEE [Redacted]
Pressman [Redacted]
Eauer [Redacted]

Preview Save Activate

TEACHER WELCOME

The screenshot displays the 'IOS Teacher' interface. At the top, there are navigation links for 'Manage Account' and 'Create a Survey', along with a search bar. A welcome message 'Welcome Paul Borchers' is visible, with a 'Log Out' link. The main content is divided into two panels: 'History' and 'Active and Unpublished Surveys'.

History - Completed Surveys

Name	Topic	Date	Delete	Download
Test Survey 1	CSIS	11/2/07	<input type="checkbox"/>	.txt
Test Survey 2	Math	11/7/07	<input type="checkbox"/>	.txt
Test Survey 3	Poly	11/8/07	<input type="checkbox"/>	.txt
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>	.txt

Active and Unpublished Surveys

Active Surveys

Name	Topic	End Date	Delete	Stop
Active Survey1	History	11/15/07	<input type="checkbox"/>	<input type="checkbox"/>
Active Survey2	Software	11/16/07	<input type="checkbox"/>	<input type="checkbox"/>

Unpublished Surveys

Name	Topic	Date	Activate	Delete
Paul Survey	Astronomy	11/18/07	<input type="checkbox"/>	<input type="checkbox"/>

EDIT SURVEY PAGE

IOS Teacher

Manage Account | Create a Survey

search

Add Question

Move this question
↑ ↓
Delete

1. What is Software Engineering?

- sample answer 1
- sample answer 2
- sample answer 3
- sample answer 4

--Add Question From Pool--

- What is Software Engineering
- How much do you like doing Software Engineering
- What do you do in Software Engineering
- What are 4 Different Definitions of Software Engineering

Move this question
↑ ↓
Delete

2. How much do you like doing Software Engineering:

	little	little more	neutral
documents	☾	☾	☾
tests	☾	☾	☾
presentations	☾	☾	☾

Move this question
↑ ↓
Delete

3. What do you do in Software Engineering?

Move this question
↑ ↓
Delete

4. What are 4 different definitions of Software Engineering

- ACM
- IEEE
- Pressman
- Eauer

Preview Save Activate

ACTIVATE SURVEY PAGE

IOS Teacher

[Manage Account](#) | [Create a Survey](#) |

Welcome Paul Borchers [Log Out](#)

Survey Activation Setup

Give permission to these students:

Email Address :	<input type="text"/>	<input type="button" value="Add"/>
Email Address :	<input type="text"/>	<input type="button" value="Submit"/>
Email Address :	<input type="text"/>	

Create Student Account

Username :	<input type="text"/>	Password :	<input type="text"/>	<input type="button" value="Add"/>
------------	----------------------	------------	----------------------	------------------------------------

History

— Completed Surveys

Name	Topic	Date	Delete	Download
Test Survey 1	CSIS	11/2/07	<input type="checkbox"/>	<input type="button" value="txt"/>
Test Survey 2	Math	11/7/07	<input type="checkbox"/>	<input type="button" value="txt"/>
Test Survey 3	Poly	11/8/07	<input type="checkbox"/>	<input type="button" value="txt"/>
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>	<input type="button" value="txt"/>

Active and Unpublished Surveys

— Active Surveys

Name	Topic	End Date	Delete	Stop
<u>Active Survey1</u>	History	11/15/07	<input type="checkbox"/>	<input type="checkbox"/>
<u>Active Survey2</u>	Software	11/16/07	<input type="checkbox"/>	<input type="checkbox"/>

— Unpublished Surveys

Name	Topic	Date	Activate	Delete
<u>Paul Survey</u>	Astronomy	11/18/07	<input type="checkbox"/>	<input type="checkbox"/>

LOGIN PAGE

IOS

LOG IN NOW

E-mail address:

Password:

[Forgot your password?](#)

Save my e-mail address and password

Save my e-mail address

Always ask for my e-mail address and password

REGISTER

As a Teacher

As a Student

STUDENT ACCOUNT CREATION

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: Month: Day:

State:

ZIP code:

Time zone:

I own or work with a small business

STUDENT WELCOME

The screenshot displays the 'IOS Student' interface. At the top, there is a dark blue header with 'IOS' on the left and 'Student' on the right. Below the header, a navigation bar contains a 'Manage Account' link, a search input field with a 'search' button, and a 'Log Out' link. The main content area is divided into two panels. The left panel, titled 'History', contains a table with four rows of survey data. The right panel, titled 'Non-Completed Surveys', contains a table with two rows of survey data. The tables use a dark theme with white text.

History

Name	Topic	Date
Test Survey 1	CSIS	11/2/07
Test Survey 2	Math	11/7/07
Test Survey 3	Poly	11/8/07
Test Survey 4	Physics	11/9/07

Non-Completed Surveys

Name	Topic	Date
Excel	Excel Test	11/19/07
Novell	Novell Test	11/20/07

STUDENT 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:

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](#)

STUDENT WELCOME

The screenshot displays the 'IOS Student' interface. At the top, there is a dark blue header with 'IOS' on the left and 'Student' on the right. Below the header, a navigation bar contains a 'Manage Account' link on the left, a search input field in the center, and a 'search' button on the right. A secondary bar shows a welcome message 'Welcome Paul Borchers' on the left and a 'Log Out' link on the right. The main content area is divided into two columns. The left column is titled 'History' and contains a table with four rows of survey data. The right column is titled 'Non-Completed Surveys' and contains a table with two rows of survey data. The tables use a dark theme with white text.

History

Name	Topic	Date
Test Survey 1	CSIS	11/2/07
Test Survey 2	Math	11/7/07
Test Survey 3	Poly	11/8/07
Test Survey 4	Physics	11/9/07

Non-Completed Surveys

Name	Topic	Date
Excel	Excel Test	11/19/07
Novell	Novell Test	11/20/07

STUDENT SURVEY PAGE

IOS Take A Survey

Manage Account 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
- Fressman
- Eauer

ADMINISTRATOR WELCOME

IOS Administrator

[Manage Account](#) | [Create Accounts](#) | [List Current Users](#) |

Welcome Paul Borchers [Log Out](#)

Current Stats

Total Users : 500

Current Users Logged In: 68

Total Surveys Created: 1500

Total Surveys Published: 1100

Current Users Logged In

Name	Account Type
<u>Borchers, Paul</u>	Student
<u>User1</u>	Student
<u>User2</u>	Teacher
<u>User3</u>	Student

Quality Control

Messages from Users	Date
Can my account be	12/5/2007
What should I do if	12/8/2007

Survey Word Alerts

Survey name	# Alerts	Date	Teacher	Ban
Bob's Survey	15	11/6/07	Barker, Bob	<input type="checkbox"/>
Paul	10	11/8/07	Borchers, Paul	<input type="checkbox"/>

Surveys

Name	Topic	Date	Delete
Test Survey 1	CSIS	11/2/07	<input type="checkbox"/>
Test Survey 2	Math	11/7/07	<input type="checkbox"/>
Test Survey 3	Poly	11/8/07	<input type="checkbox"/>
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>

ADMINISTRATOR 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:

[Back to Welcome Page](#)

ADMINISTRATOR WELCOME

IOS Administrator

[Manage Account](#) | [Create Accounts](#) | [List Current Users](#) |

Welcome Paul Borchers [Log Out](#)

Current Stats

Total Users : 500

Current Users Logged In: 68

Total Surveys Created: 1500

Total Surveys Published: 1100

Current Users Logged In

Name	Account Type
<u>Borchers, Paul</u>	Student
<u>User1</u>	Student
<u>User2</u>	Teacher
<u>User3</u>	Student

Quality Control

Messages from Users	Date
Can my account be	12/5/2007
What should I do if	12/8/2007

Survey Word Alerts

Survey name	# Alerts	Date	Teacher	Ban
Bob's Survey	15	11/6/07	Barker, Bob	<input type="checkbox"/>
Paul	10	11/8/07	Borchers, Paul	<input type="checkbox"/>

Surveys

Name	Topic	Date	Delete
Test Survey 1	CSIS	11/2/07	<input type="checkbox"/>
Test Survey 2	Math	11/7/07	<input type="checkbox"/>
Test Survey 3	Poly	11/8/07	<input type="checkbox"/>
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>

ACCOUNT CREATION PAGE

IOS Administrator

[Manage Account](#) | [Create Accounts](#) | [List Current Users](#) |

Welcome: Paul Borchers

Create An Account

Email Address :

Type of Account : Teacher
 Student

Current Stats

Total Users : 500
Current Users Logged In: 68
Total Surveys Created: 1500
Total Surveys Published: 1100

Current Users Logged In

Name	Account Type	Delete
Borchers, Paul	Student	<input type="checkbox"/>
User1	Student	<input type="checkbox"/>
User2	Teacher	<input type="checkbox"/>
User3	Student	<input type="checkbox"/>

Quality Control

Messages from Users

	Date
Can my account be	12/5/2007
What should I do if	12/8/2007

Survey Word Alerts

Survey name	# Alerts	Date	Teacher	Ban
Bob's Survey	15	11/6/07	Barker, Bob	<input type="checkbox"/>
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ADMINISTRATOR WELCOME

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Test Survey 3	Poly	11/8/07	<input type="checkbox"/>
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>

LIST CURRENT USERS (ADMINISTRATOR)

IOS

List Current Users

Sort Users [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

-OR-

Search Students Teachers Both

Search

[Back to Welcome Page](#)

LIST CURRENT USERS RESULTS PAGE

IOS

List Current Users

Results for A

Name

Account Type

Alfree, Tom

Student

Arket, Elizabeth

Teacher

Atkins, Gina

Student

[Back to Search](#)

[Back to Welcome Page](#)

ADMINISTRATOR WELCOME

IOS Administrator

[Manage Account](#) | [Create Accounts](#) | [List Current Users](#) |

Welcome Paul Borchers [Log Out](#)

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Test Survey 4	Physics	11/9/07	<input type="checkbox"/>

USER PAGE (STUDENT)

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](#)

USER PAGE (TEACHER)

IOS

Borchers, Paul

Teacher Profile

Name: Paul Borchers



Unpublished Surveys

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

Active Surveys

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

Completed Surveys

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

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ADMINISTRATOR WELCOME

IOS Administrator

[Manage Account](#) | [Create Accounts](#) | [List Current Users](#) |

Welcome Paul Borchers [Log Out](#)

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Test Survey 3	Poly	11/8/07	<input type="checkbox"/>
Test Survey 4	Physics	11/9/07	<input type="checkbox"/>

SEARCH RESULTS PAGE

IOS

List Current Users

Results for Alfred

Name

Account Type

Alfree, Tom

Student

Arket, Elizabeth

Teacher

Atkins, Gina

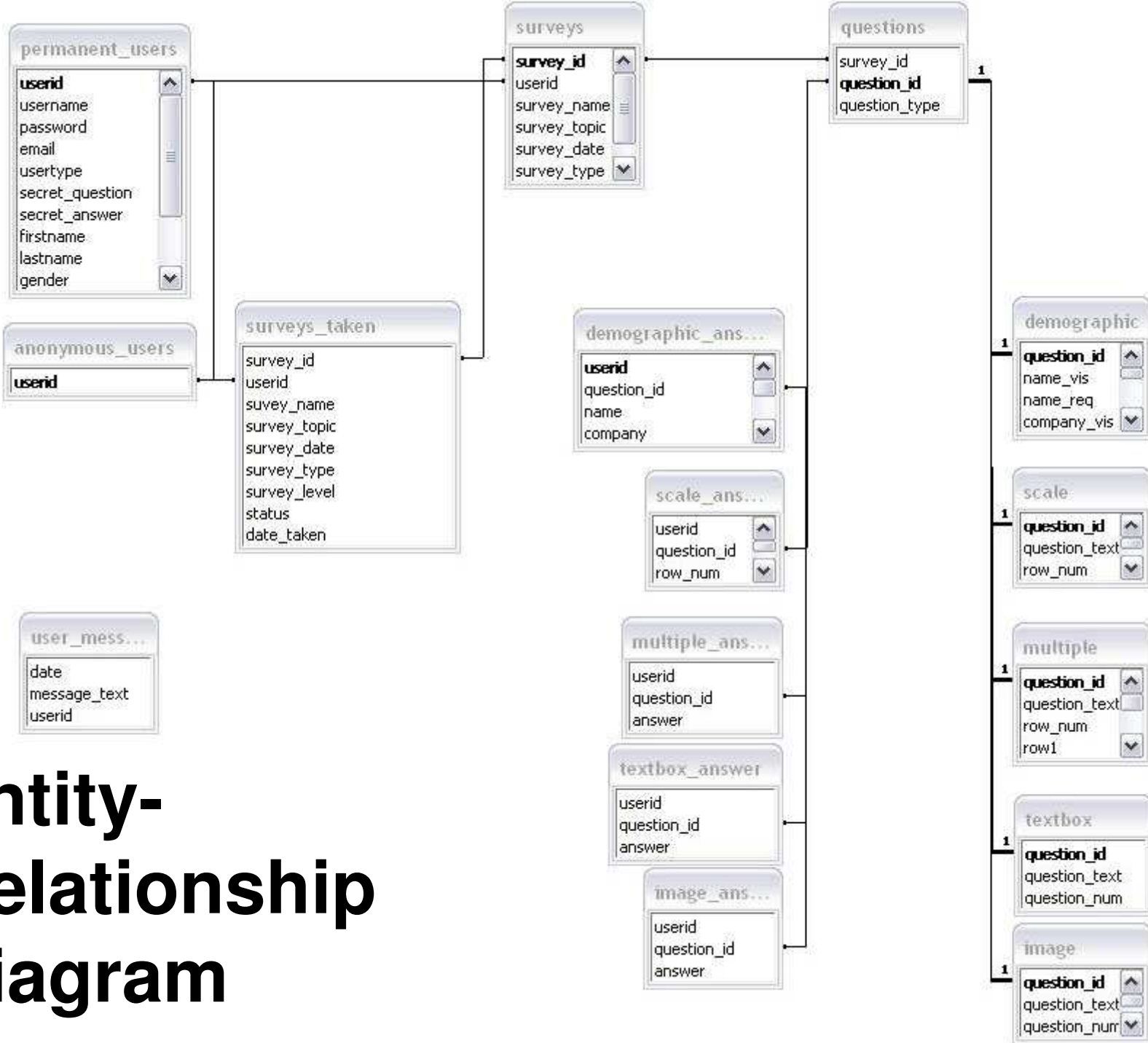
Student

[Back to Welcome Page](#)

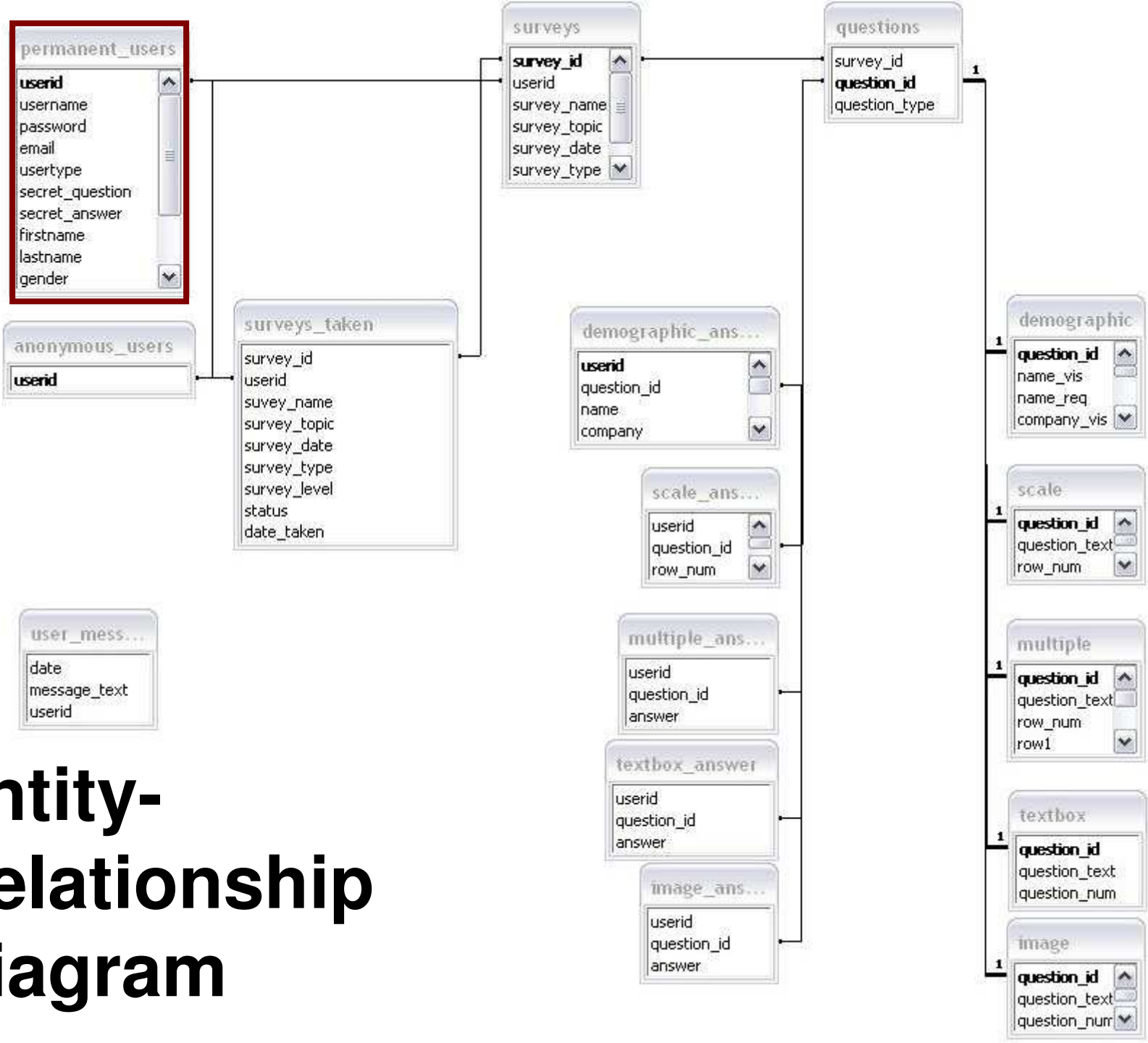


AGENDA

- Problem Definition – Ryan Rose
- Prototypes – Ryan May
- **Database Design – Paul Borchers**
- Test Plan – Vito Urbano
- Timeline – Vito Urbano
- What's Next, Important Dates, and Questions – Paul Borchers

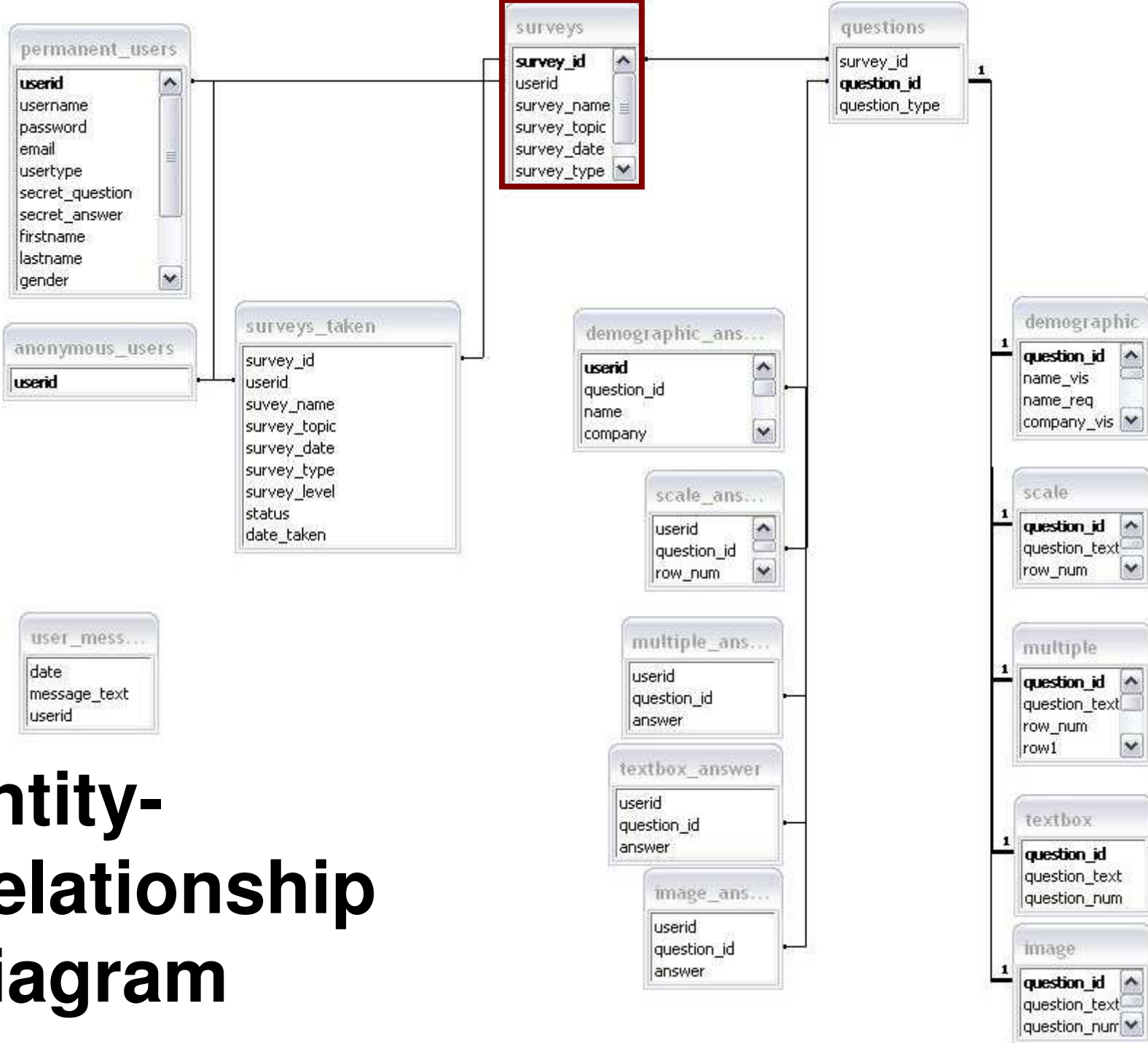


Entity-Relationship Diagram



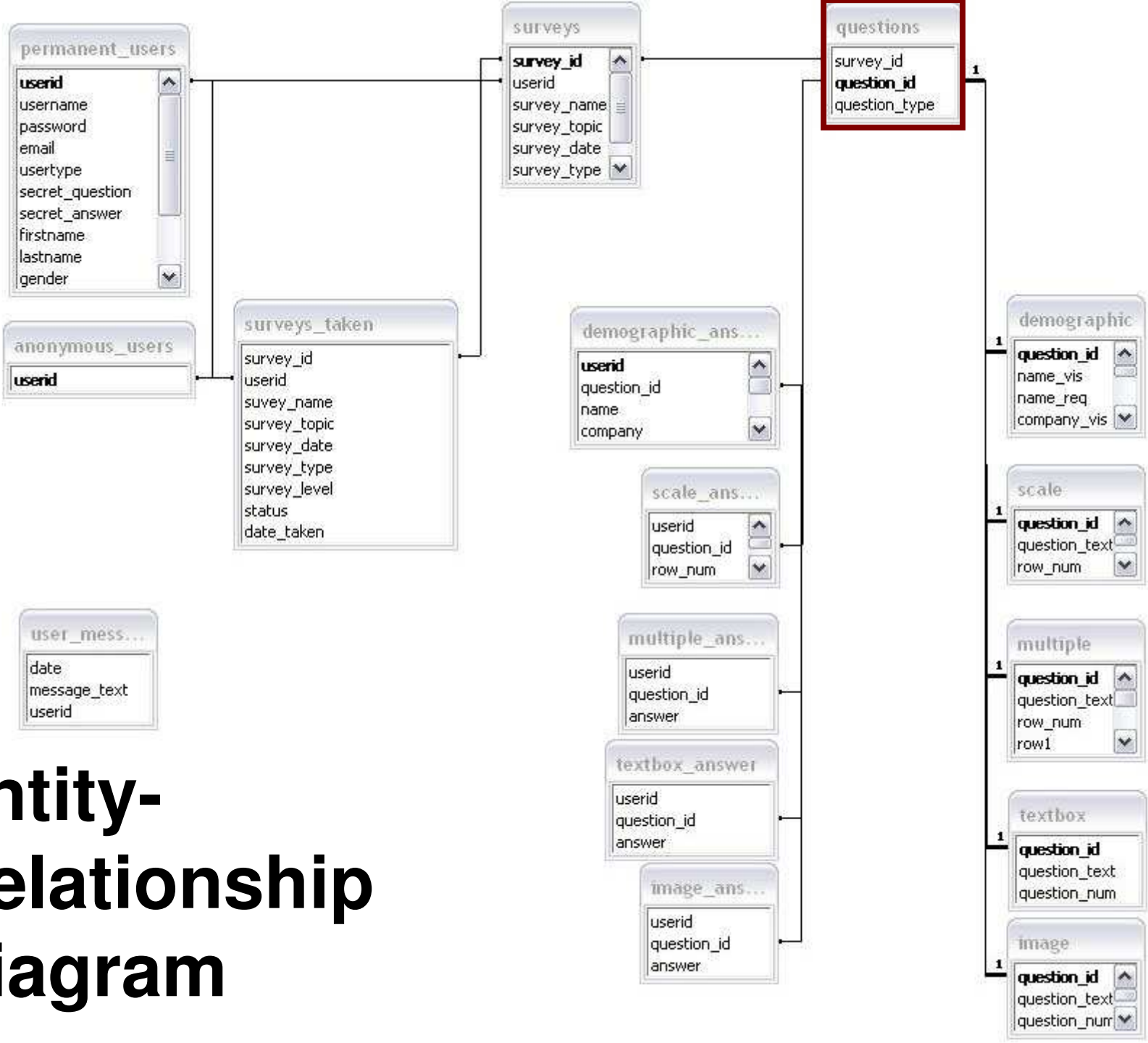
Entity-Relationship Diagram

permanent_users		
column name	type	Comments
usersid	int	Primary Key - Odd number.
username	nvarchar(16)	User specified username.
password	nvarchar(16)	user specified password
email	nvarchar(32)	pm15borc@siena.edu
user_type	int	User type: 10 = student, 20 = teacher, 30 = admin
secret_quetion	ntext	Question used to reset password if the user has lost their password.
secret_answer	ntext	Answer needed to reset password in Forgot Password page.
firstname	nvarchar(16)	User supplied first name.
lastname	nvarchar(16)	User supplied last name.
gender	nvarchar(16)	User supplied gender.
birthdate	smalldate	Birthdate in format MM/DD/YYYY
state	nvarchar(16)	User supplied state or province of residence.
zip	int	User supplied zip or postal code of residence.
time_zone	nvarchar(32)	User supplied time zone.
logged_in	boolean	Keeps track of if user is logged in. true = logged in, false = offline



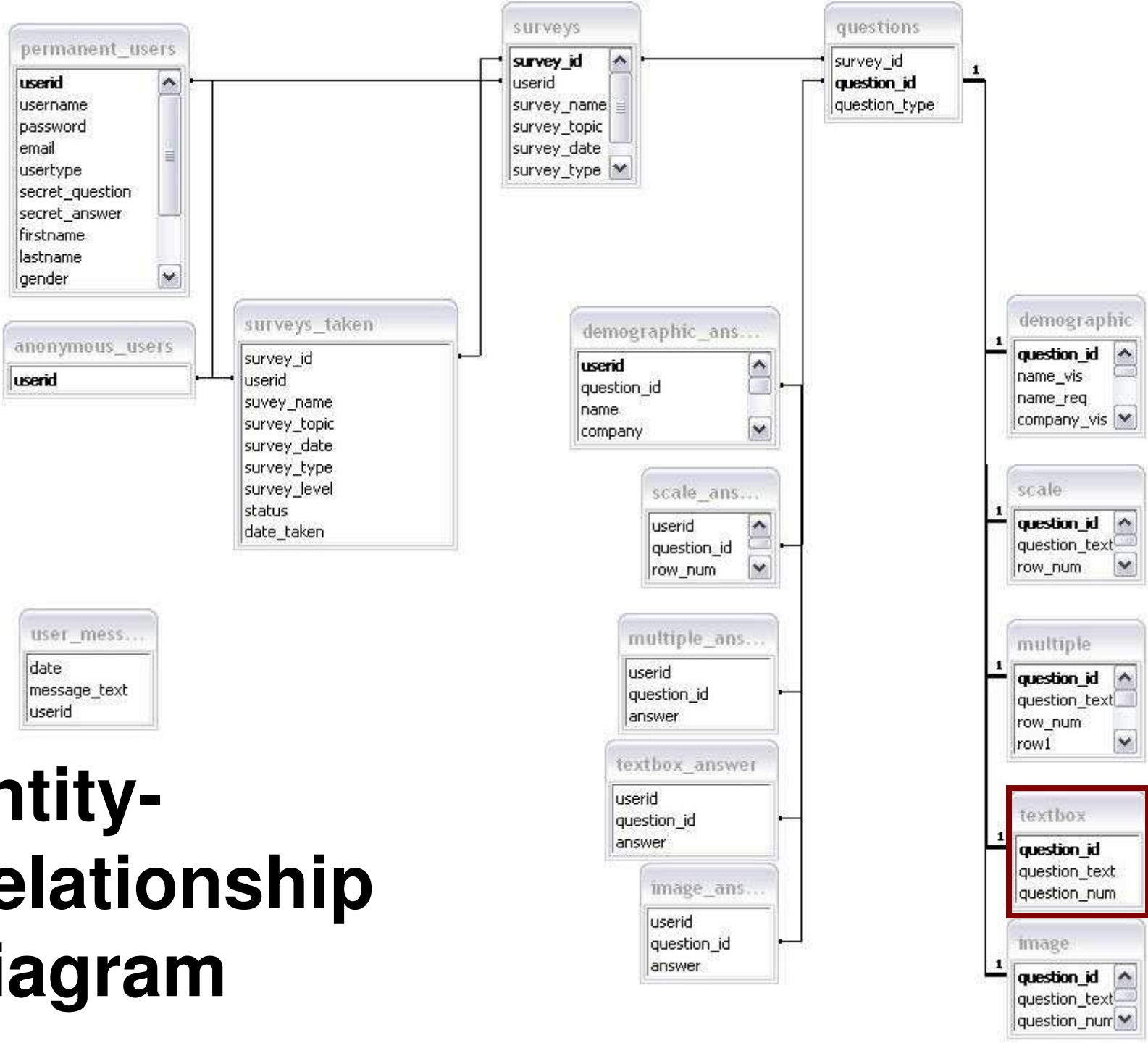
Entity-Relationship Diagram

surveys		
column name	type	Comments
survey_id	int	Primary Key
userid	int	Gotten from permanent_users table, teachers only.
survey_name	nvarchar(32)	Teacher inputted survey name.
survey_topic	nvarchar(32)	Teacher inputted survey topic.
survey_date	smalldate	Date of survey creation in format: MM/DD/YYYY
survey_type	int	Teacher selected survey type. 10 = protected, 20 = anonymous
survey_level	int	10 = unpublished, 20 = active, 30 = completed



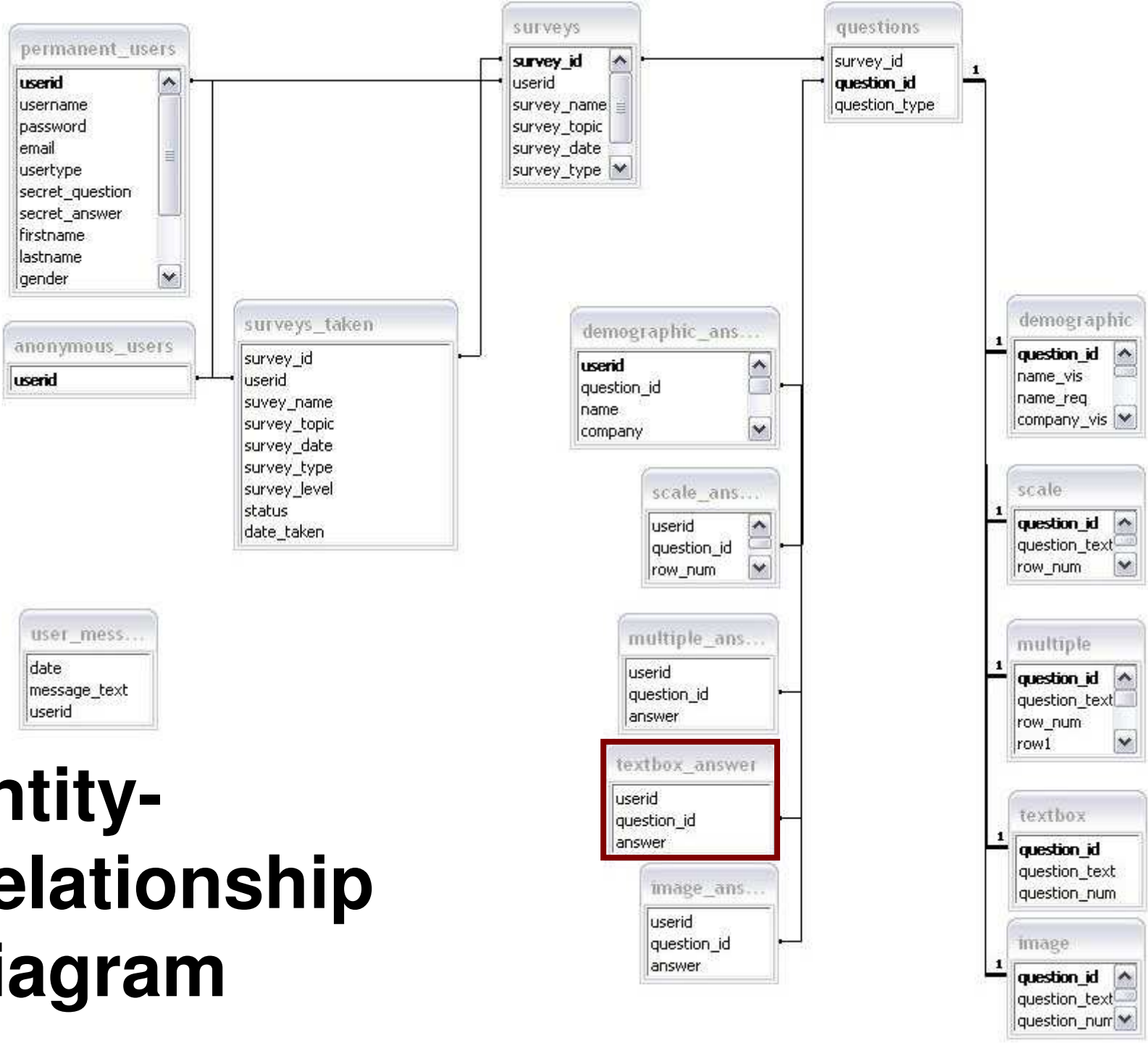
Entity-Relationship Diagram

questions		
column name	type	Comments
survey_id	int	Taken from surveys table.
question_id	int	Primary Key
question_type	int	There are five types of questions and they each have a numerical representation in the database. 10 = demographics, 20 = scale, 30 = multiple choice, 40 = textbox, 50 = image



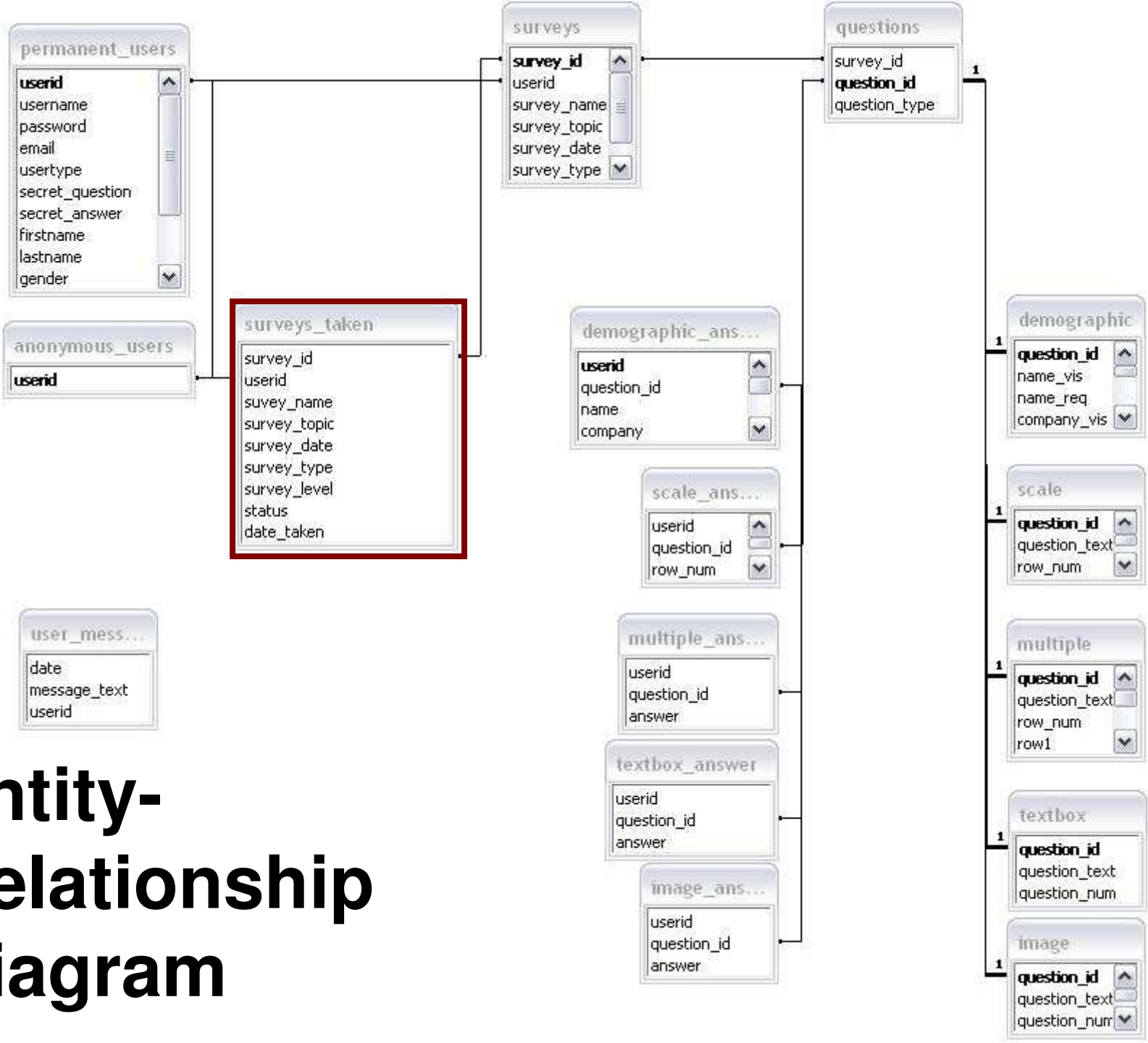
Entity-Relationship Diagram

textbox		
column name	type	Comments
question_id	int	Taken from question table.
question_text	ntext	Teacher inputted question text.
question_num	int	Position to display in survey.



Entity-Relationship Diagram

textbox_answer		
column name	type	Comments
userid	int	Taken from anonymous and permanent tables, only students.
question_id	int	Taken from questions table.
answer	ntext	User inputted answer.



Entity-Relationship Diagram

surveys_taken		
column name	type	Comments
survey_id	int	Taken from surveys table.
userid	int	Got from permanent_users table and anonymous, students only.
survey_name	nvarchar(32)	Teacher inputted survey name.
survey_topic	nvarchar(32)	Teacher inputted survey topic.
survey_date	smalldate	Date of survey creation in format: MM/DD/YYYY
survey_type	int	Teacher selected survey type. 10 = protected, 20 = anonymous
survey_level	int	10 = unpublished, 20 = active, 30 = completed
status	boolean	Keeps track of whether the survey has been taken. Set to true for anonymous users. false = not taken, true = taken
date_taken	smalldate	Date the survey was taken in format. MM/DD/YYYY



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TESTING OBJECTIVES

- The software must meet all functional requirements.
- Good testing will uncover errors.
- Many phases of testing.



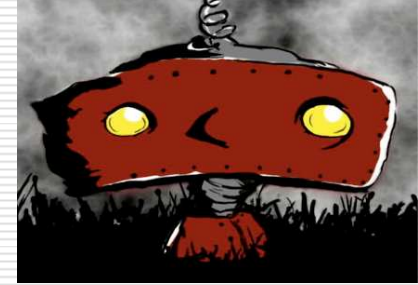
SYSTEM TESTING

- ❑ Validating the specified functional requirements.
- ❑ Crucial part of the test plan.
- ❑ Helps us determine if all requirements were met.



UNIT TESTING

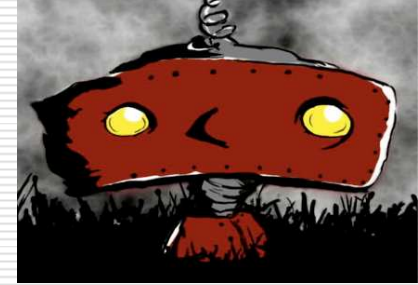
- Test each program unit individually.
- Each unit must be free of errors.
- Each webpage is a separate unit.
- Each unit has test cases within them.



UNIT TESTING EXAMPLE

Test Number 1 - Log in Page

Number	Test Case Name	Description	Input	Expected Result	Actual Result/Comments	Test Result (Pass/Fail)
1.1	Log in page loads	Correct page loads	N/A	Log in page loads and all components are displayed		
1.2	Correct Login - Administrator	Log in with valid administrator account and password	Administrator username and password	Administrator Welcome page opens		
1.3	Correct Login - Teacher	Log in with valid teacher account and password	Teacher username and password	Teacher Welcome page opens		
1.4	Correct Login - Student	Log in with valid student account and password	Student username and password	Student Welcome page opens		
1.5	Incorrect Username Login	Log in with invalid username	Username	Error message stating that the username is incorrect is displayed		
1.6	Incorrect Password Login	Log in with invalid password	Password	Error message stating that the password is incorrect is displayed		
1.7	Log in with empty fields	Log in with username and password fields empty.	N/A	Error message stating that the fields are empty is displayed		
1.8	Select Save My E-Mail Address & Password	Selects Save My E-Mail Address & Password bubble	Save My E-Mail Address & Password	E-mail address & password of user appears every time this page is accessed		
1.9	Select Save My E-Mail Address	Selects Save My E-Mail Address bubble	Save My E-Mail Address	E-mail address of user appears every time this page is accessed		
1.10	Select Always Ask For My E-Mail Address & Password	Selects Save My E-Mail Address & Password bubble	Always ask	E-mail address & password of user never appears when this page is accessed		
1.11	Click Register Now - Teacher	User clicks the Teacher Register Now button	Teacher	The Teacher Account Creation page opens		
1.12	Click Register Now - Student	User clicks the Student Register Now button	Student	The Student Account Creation page opens		
					Summary of Tests for this Unit	



INTEGRATION TESTING

- ❑ Separate units become a whole.
- ❑ Functionality and interaction of integrated units.
- ❑ Errors at this stage lead to regression testing.
- ❑ System stops working normally.
- ❑ System stops completely.
- ❑ Find regression bugs causing errors.



INTEGRATION TESTING TABLE

Unit Number	Linked Units
1	2, 3, 4, 5, 6
2	1
3	1
4	7, 8, 9, 10, 11, 12, 18
5	7, 13, 14, 15, 18
6	16, 17, 18
7	4, 5
8	4
9	4
10	4
11	4
12	4
13	5, 18
14	5, 18
15	5, 18
16	6
17	6, 18
18	4, 5, 6, 13, 14, 15, 17



TESTING SUMMARY

- ❑ Testing Manager ensures thorough testing.
- ❑ Attempting to meet clients pass/fail criteria.
- ❑ Tests, errors, resolutions delivered at acceptance test.

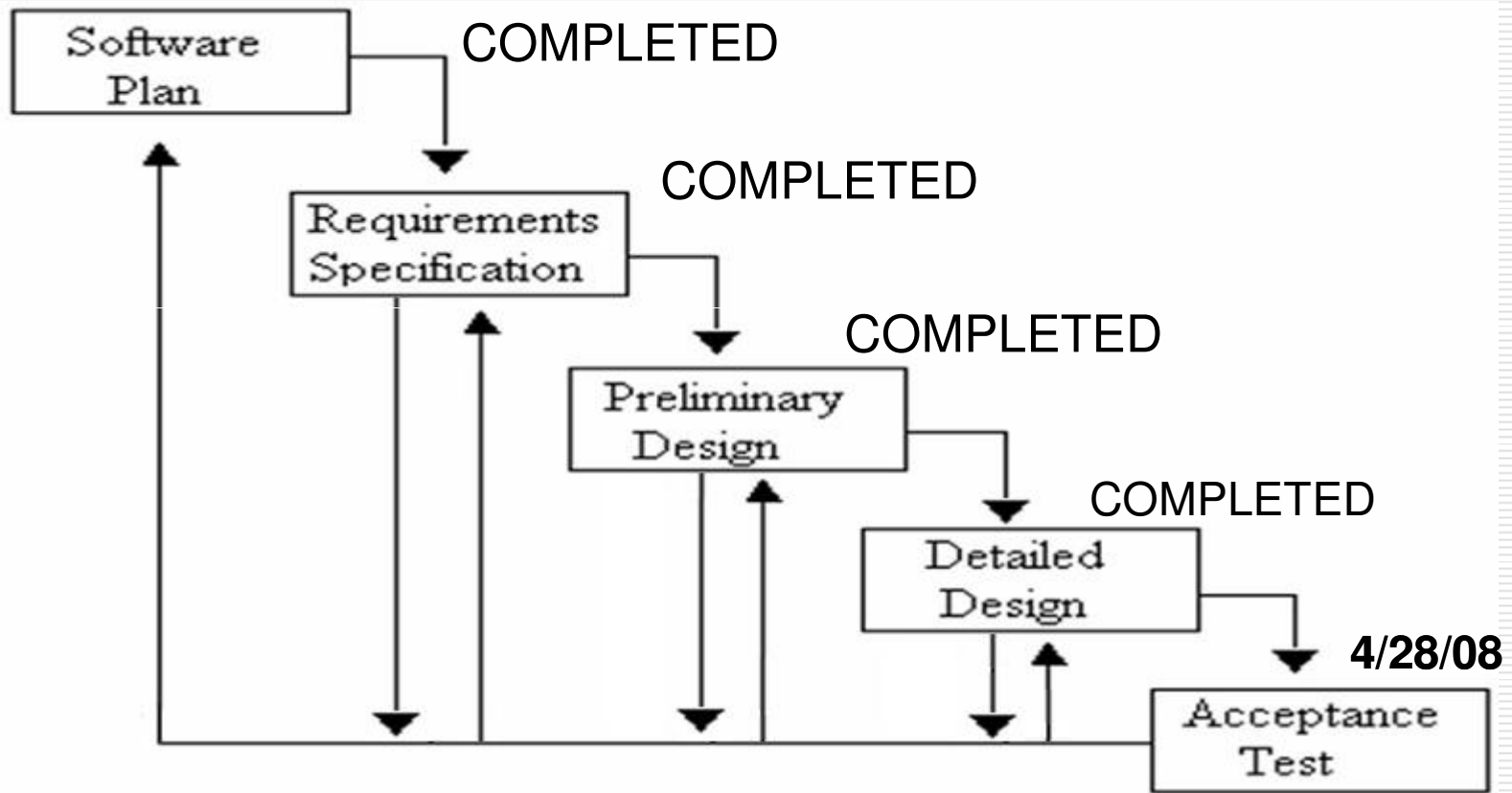


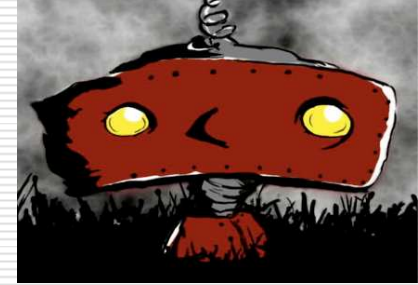
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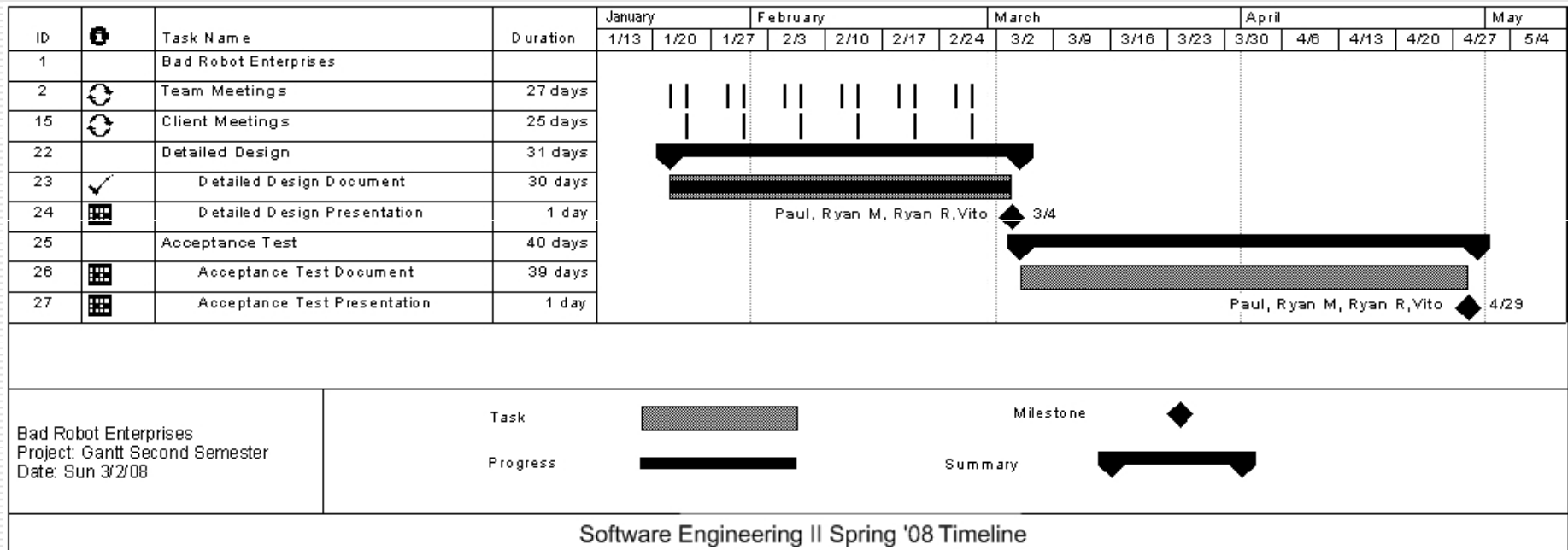


WATERFALL MODEL





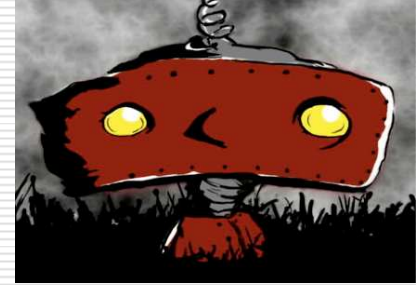
DEVELOPMENT TIMELINE





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SUMMARY - QUESTIONS?

- ❑ Problem Definition
- ❑ Data Flow Diagrams & Structure Diagram
- ❑ Data Identification
- ❑ Prototypes
- ❑ Test Plan
- ❑ **What's Next, Summary, and Questions**

IMPORTANT DATES

End of Semester Party

- Monday, May 5th at 8:00pm

- Boland Room
 - Ben Kuhn House (Alumni House)

- Our Project will be presented.

- A Team Song will be presented.

IMPORTANT DATES

Acceptance Test Due

- Monday, April 28th

Acceptance Presentation

- Tuesday, April 29th

- 1 hour presentation from 6-9 pm

ANY QUESTIONS?
