BAD ROBOT ENTERPRISES

INTERNATIONAL ONLINE SURVEY
(IOS)
ACCEPTANCE TEST

Roger Bacon Science Center, Room 328
April 29th, 2008
7:00 pm

WELCOME

Dr. Darren Lim

Computer Science

Siena College

Dr. Manimoy Paul

Quantitative Business Analysis

Siena College

TEAM MEMBERS

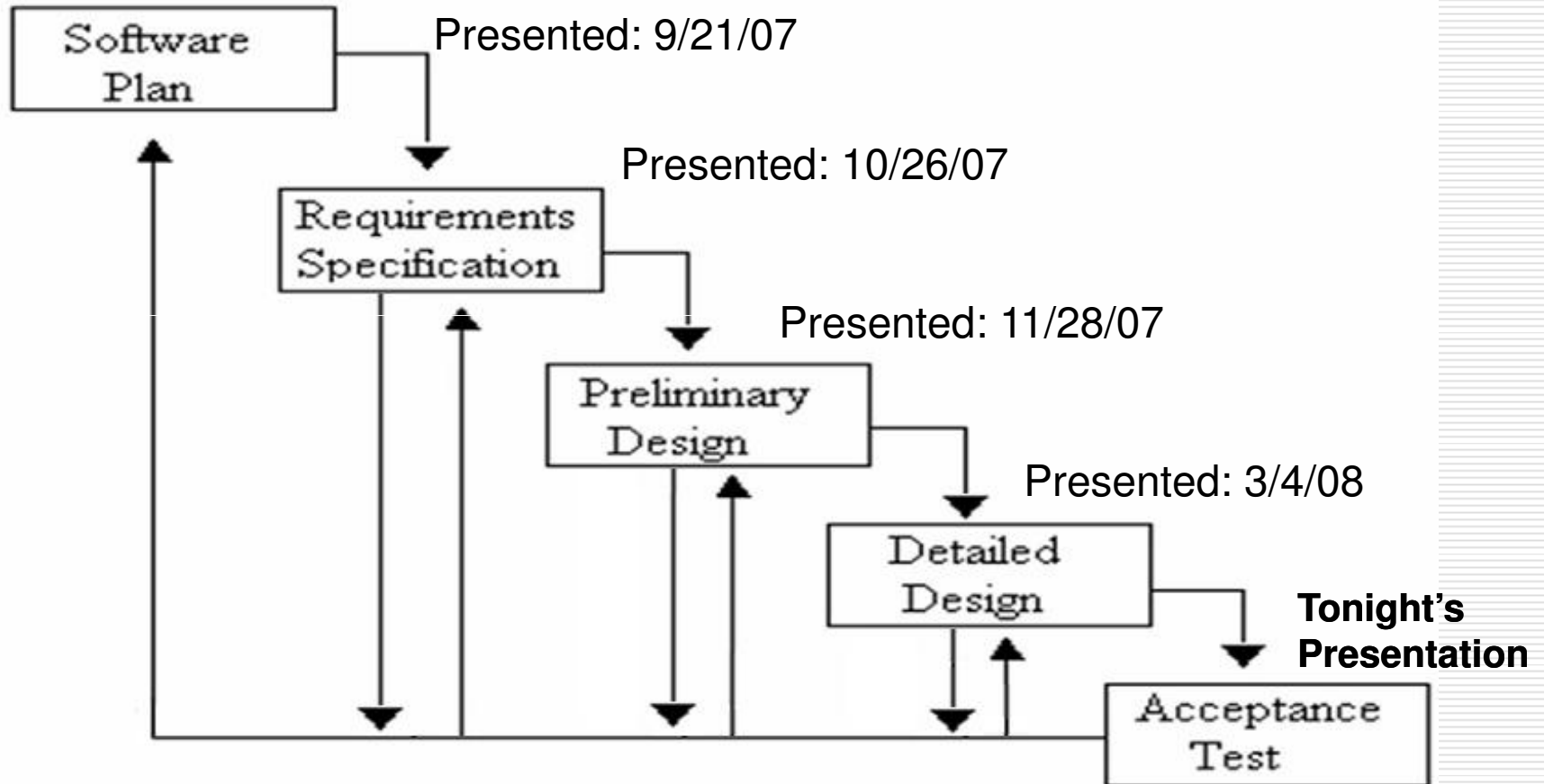Ryan Rose……………………………..Team Leader
rc26rose@siena.edu

Vito Urbano…………………………..Librarian/Tester
va23urba@siena.edu

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

Paul Borchers………………………..Systems Administrator
pm15borc@siena.edu

CURRENT PROGRESS
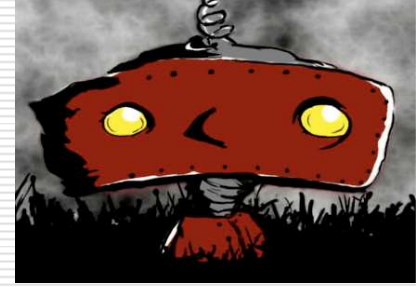
Software Plan — Presented: 9/21/07

Requirements Specification — Presented: 10/26/07

Preliminary Design — Presented: 11/28/07

Detailed Design — Presented: 3/4/08

Acceptance Test — **Tonight's Presentation**

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

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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

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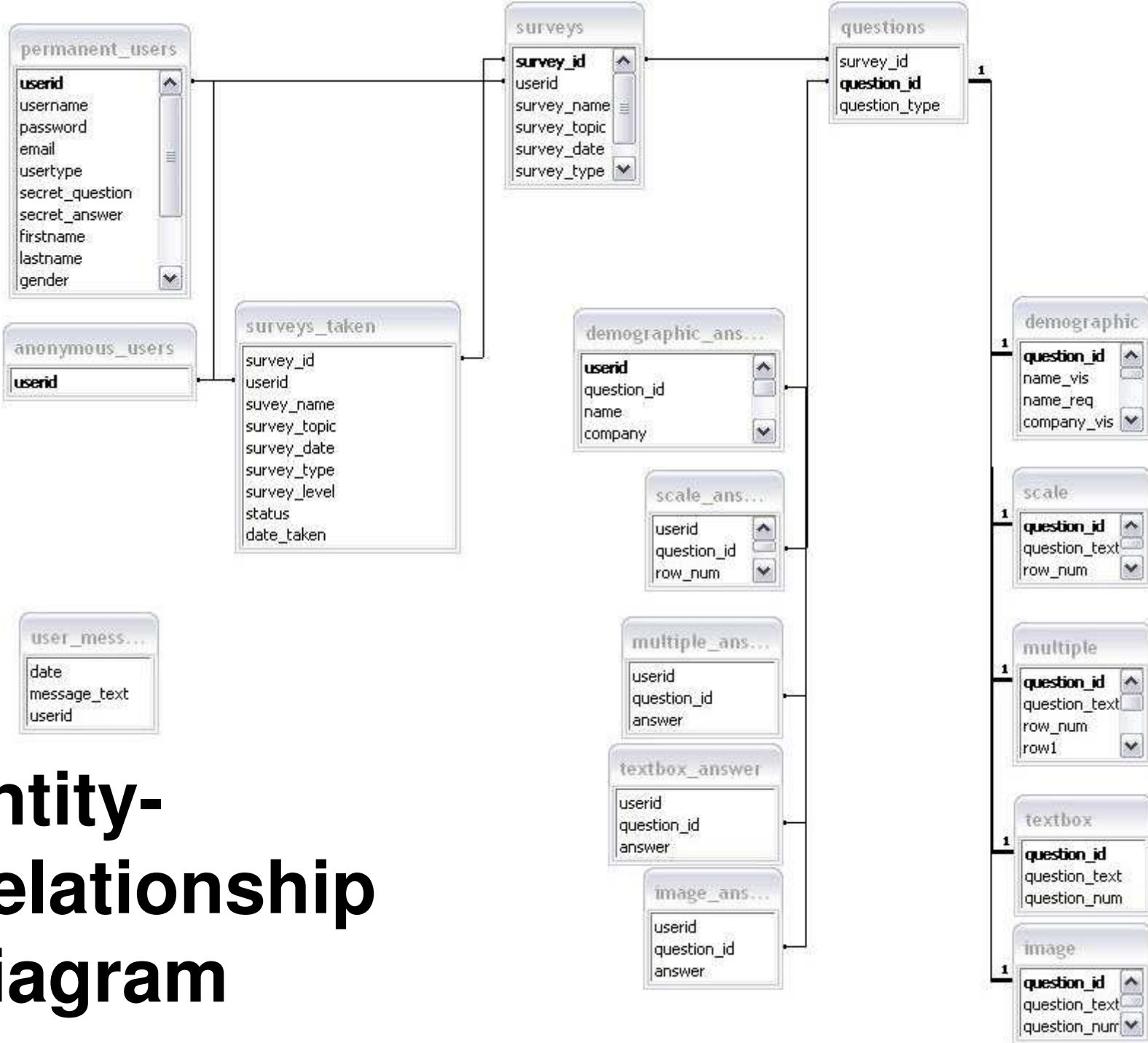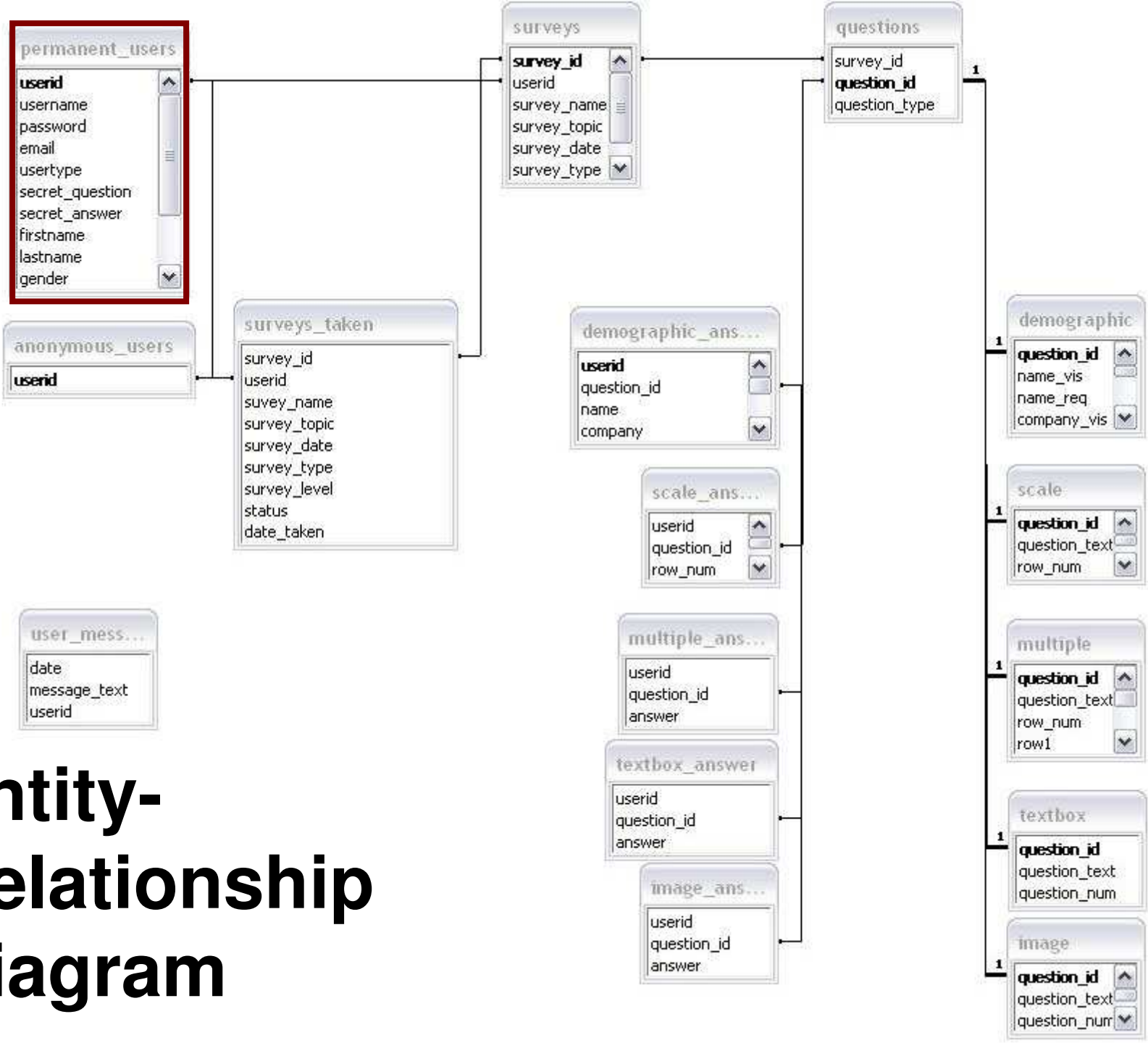- ☐ What's Next, Important Dates, and Questions – Paul Borchers

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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

permanent_users
- userid
- username
- password
- email
- usertype
- secret_question
- secret_answer
- firstname
- lastname
- gender

surveys
- survey_id
- userid
- survey_name
- survey_topic
- survey_date
- survey_type

questions
- survey_id
- question_id
- question_type

anonymous_users
- userid

surveys_taken
- survey_id
- userid
- suvey_name
- survey_topic
- survey_date
- survey_type
- survey_level
- status
- date_taken

demographic_ans...
- userid
- question_id
- name
- company

demographic
- question_id
- name_vis
- name_req
- company_vis

scale_ans...
- userid
- question_id
- row_num

scale
- question_id
- question_text
- row_num

user_mess...
- date
- message_text
- userid

multiple_ans...
- userid
- question_id
- answer

multiple
- question_id
- question_text
- row_num
- row1

textbox_answer
- userid
- question_id
- answer

textbox
- question_id
- question_text
- question_num

image_ans...
- userid
- question_id
- answer

image
- question_id
- question_text
- question_num

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
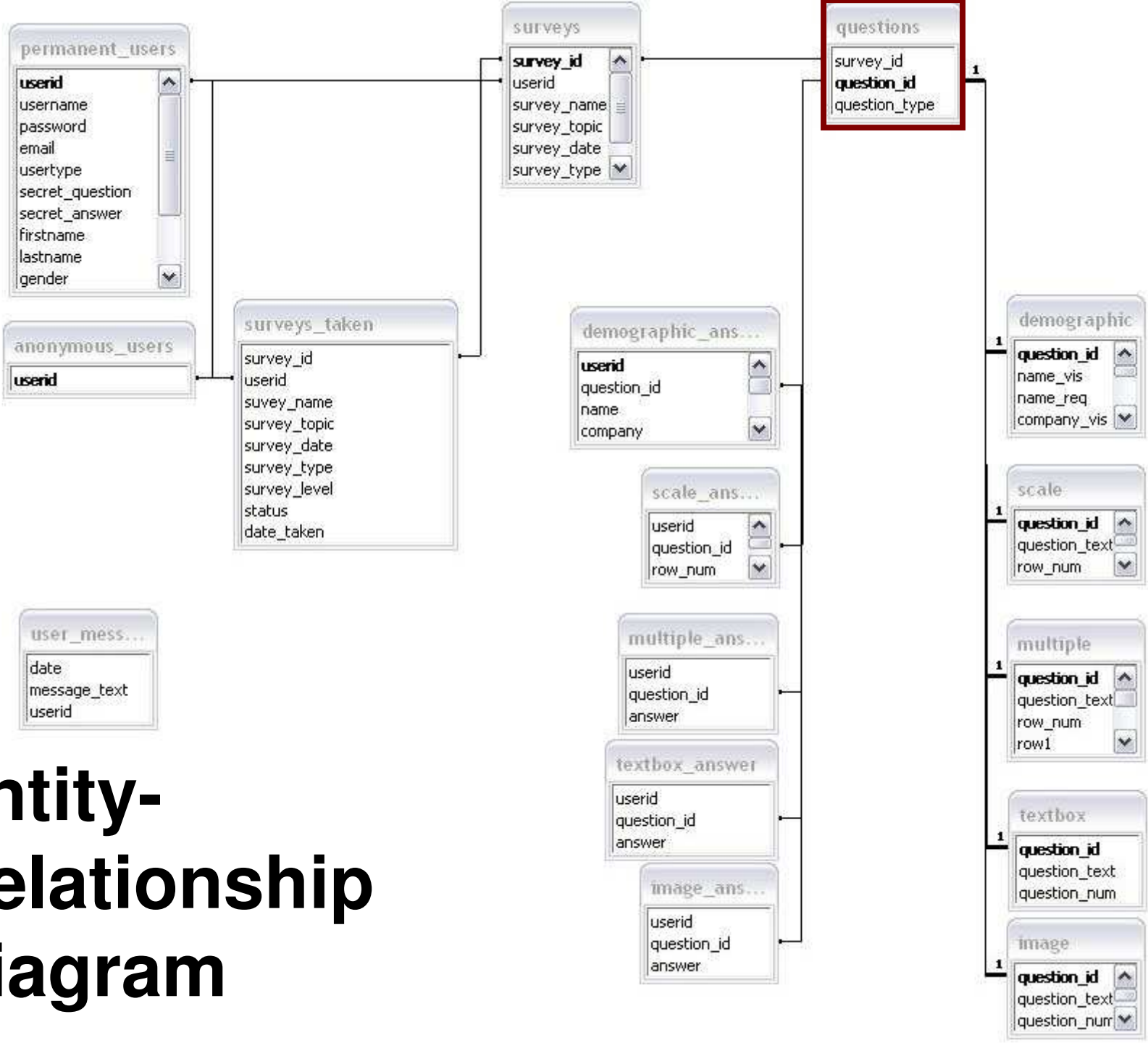
Entity-Relationship Diagram

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
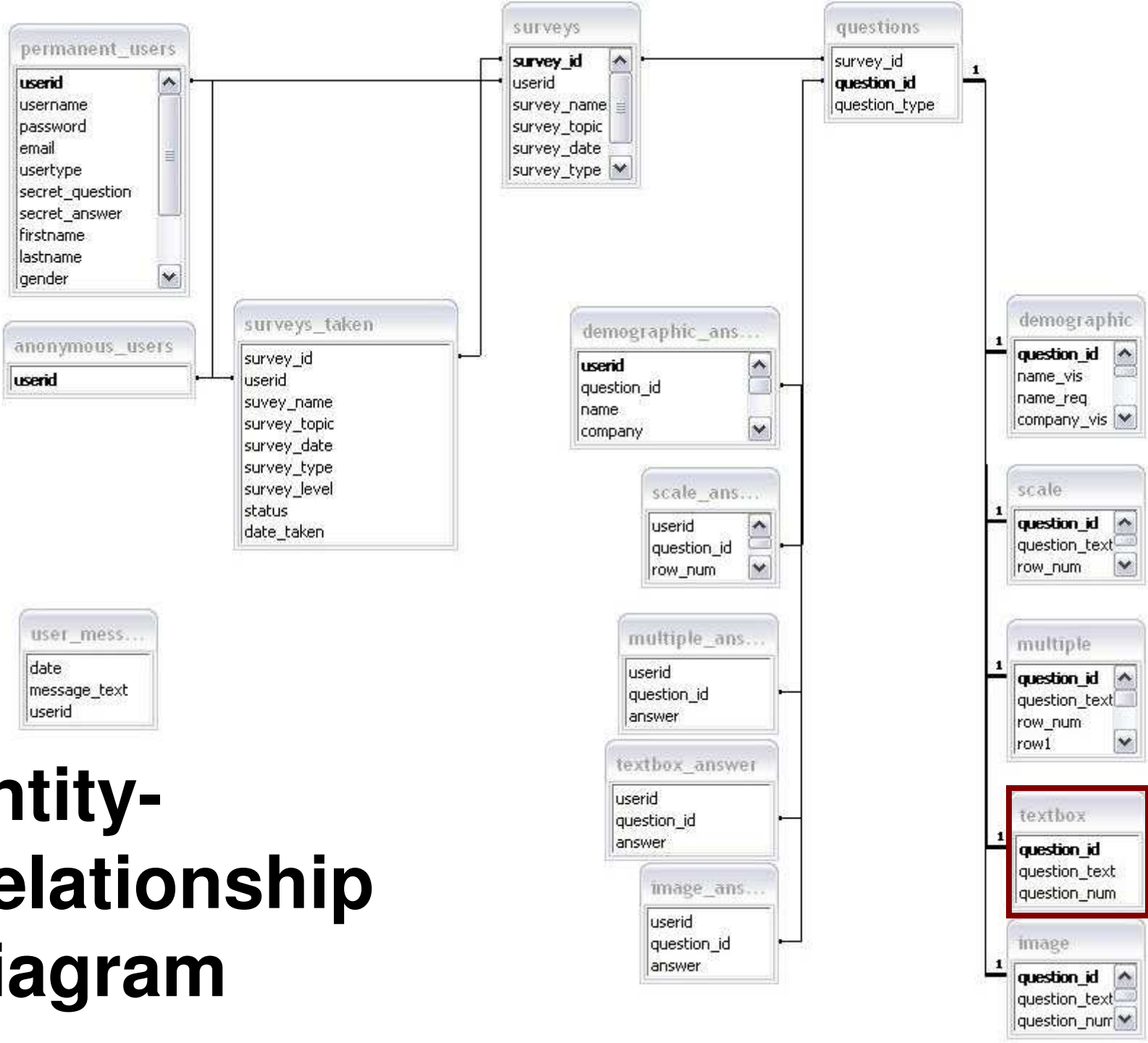
Entity-Relationship Diagram

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.

permanent_users

- userid
- username
- password
- email
- usertype
- secret_question
- secret_answer
- firstname
- lastname
- gender

anonymous_users

- userid

surveys_taken

- survey_id
- userid
- suvey_name
- survey_topic
- survey_date
- survey_type
- survey_level
- status
- date_taken

user_mess...

- date
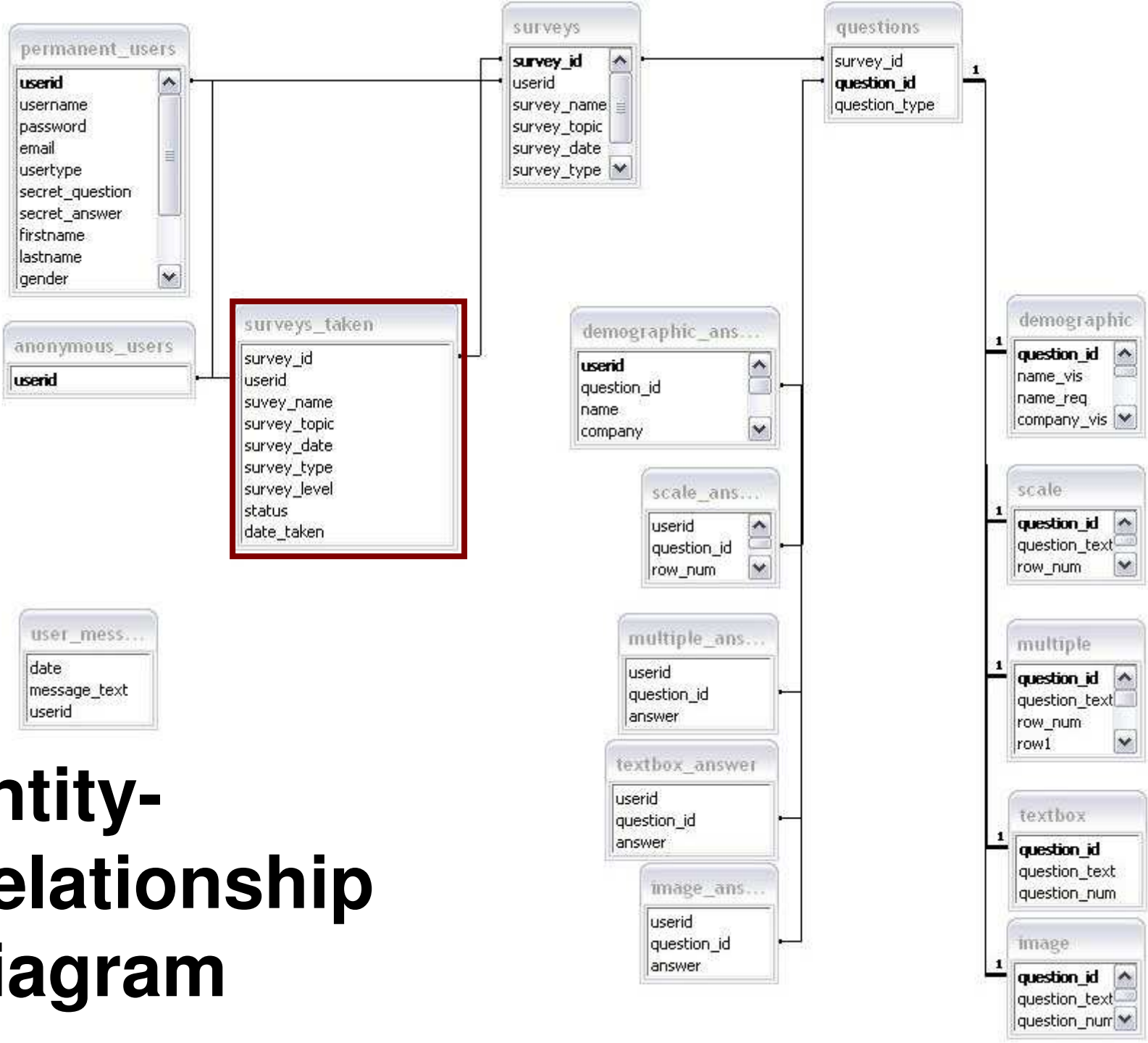- message_text
- userid

surveys

- survey_id
- userid
- survey_name
- survey_topic
- survey_date
- survey_type

questions

- survey_id
- question_id
- question_type

demographic_ans...

- userid
- question_id
- name
- company

scale_ans...

- userid
- question_id
- row_num

multiple_ans...

- userid
- question_id
- answer

textbox_answer

- userid
- question_id
- answer

image_ans...

- userid
- question_id
- answer

demographic

- question_id
- name_vis
- name_req
- company_vis

scale

- question_id
- question_text
- row_num

multiple

- question_id
- question_text
- row_num
- row1

textbox

- question_id
- question_text
- question_num

image

- question_id
- question_text
- question_num

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.

permanent_users
- **userid**
- username
- password
- email
- usertype
- secret_question
- secret_answer
- firstname
- lastname
- gender

surveys
- **survey_id**
- userid
- survey_name
- survey_topic
- survey_date
- survey_type

questions
- survey_id
- **question_id**
- question_type

anonymous_users
- **userid**

surveys_taken
- survey_id
- userid
- suvey_name
- survey_topic
- survey_date
- survey_type
- survey_level
- status
- date_taken

demographic_ans...
- **userid**
- question_id
- name
- company

demographic
- **question_id**
- name_vis
- name_req
- company_vis

scale_ans...
- userid
- question_id
- row_num

scale
- **question_id**
- question_text
- row_num

user_mess...
- date
- message_text
- userid

multiple_ans...
- userid
- question_id
- answer

multiple
- **question_id**
- question_text
- row_num
- row1

textbox_answer
- userid
- question_id
- answer

textbox
- **question_id**
- question_text
- question_num

image_ans...
- userid
- question_id
- answer

image
- **question_id**
- question_text
- question_num

Entity-Relationship Diagram

surveys_taken		
column name	type	Comments
survey_id	int	Taken from surveys table.
userid	int	Gotten 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.

☐ Most of our focus and time.

SYSTEM TEST EXAMPLE

Login Screen:

The Administrator will log in with correct username and
  password.

      (x) YES   NO

An incorrect login will provide an appropriate error
  message.

      (x) YES   NO

EXAMPLE SCREENSHOT

EXAMPLE SCREENSHOT

IOS

Incorrect username and/or password. Please try again!
Sign in to IOS

Username: [   ]

Password: [   ]
Forgot your password?

Sign in

Register Now as a Teacher
Register Now as a Student

SYSTEM TEST EXAMPLE

Search Results Screen:

The user will view search results alphabetically.**
YES   NO

The user will be able see account names and account types   or survey names.**
YES   NO

The user will be able to click on the accounts or surveys to   view information about them.**
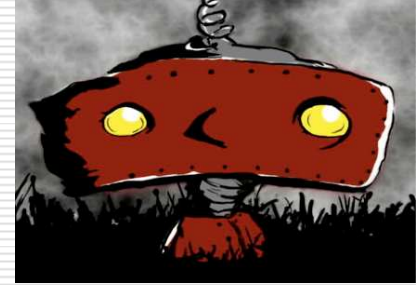YES   NO

**In production

EXAMPLE SCREENSHOT

MISSING FEATURES

- ☐ Administrator created/edited accounts

- ☐ Administrator quality control function

- ☐ Administrator list current users function

- ☐ Teacher edit survey function

- ☐ Search function

NON-FUNCTIONAL REQ.

☐ The system should be quick and smooth.

PASS

☐ The system should be aesthetically pleasing.

PASS

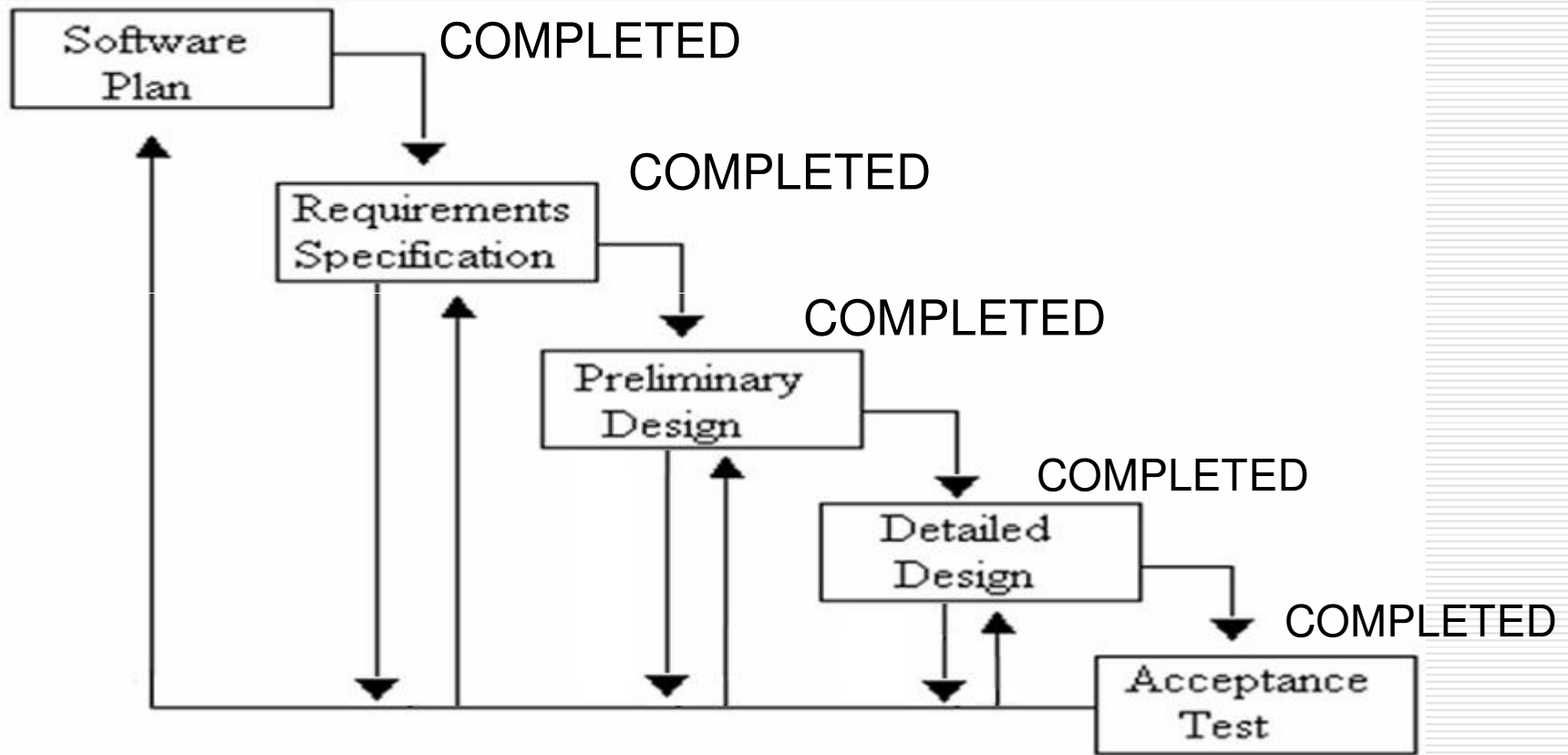# AGENDA

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WATERFALL MODEL

Software Plan — COMPLETED
Requirements Specification — COMPLETED
Preliminary Design — COMPLETED
Detailed Design — COMPLETED
Acceptance Test — COMPLETED

DEVELOPMENT TIMELINE

ID		Task Name	Duration	January			February				March				April				May
				1/13	1/20	1/27	2/3	2/10	2/17	2/24	3/2	3/9	3/16	3/23	3/30	4/6	4/13	4/20	4/27	5/4
1		Bad Robot Enterprises																		
2	↻	Team Meetings	27 days																	
15	↻	Client Meetings	25 days																	
22		Detailed Design	31 days																	
23	✓	Detailed Design Document	30 days																	
24	▦	Detailed Design Presentation	1 day						Paul, Ryan M, Ryan R, Vito ◆ 3/4										
25		Acceptance Test	40 days																	
26	▦	Acceptance Test Document	39 days																	
27	▦	Acceptance Test Presentation	1 day													Paul, Ryan M, Ryan R, Vito ◆ 4/29			

Bad Robot Enterprises Project: Gantt Second Semester Date: Sun 3/2/08	Task	Milestone ◆	
	Progress	Summary	

Software Engineering II Spring '08 Timeline

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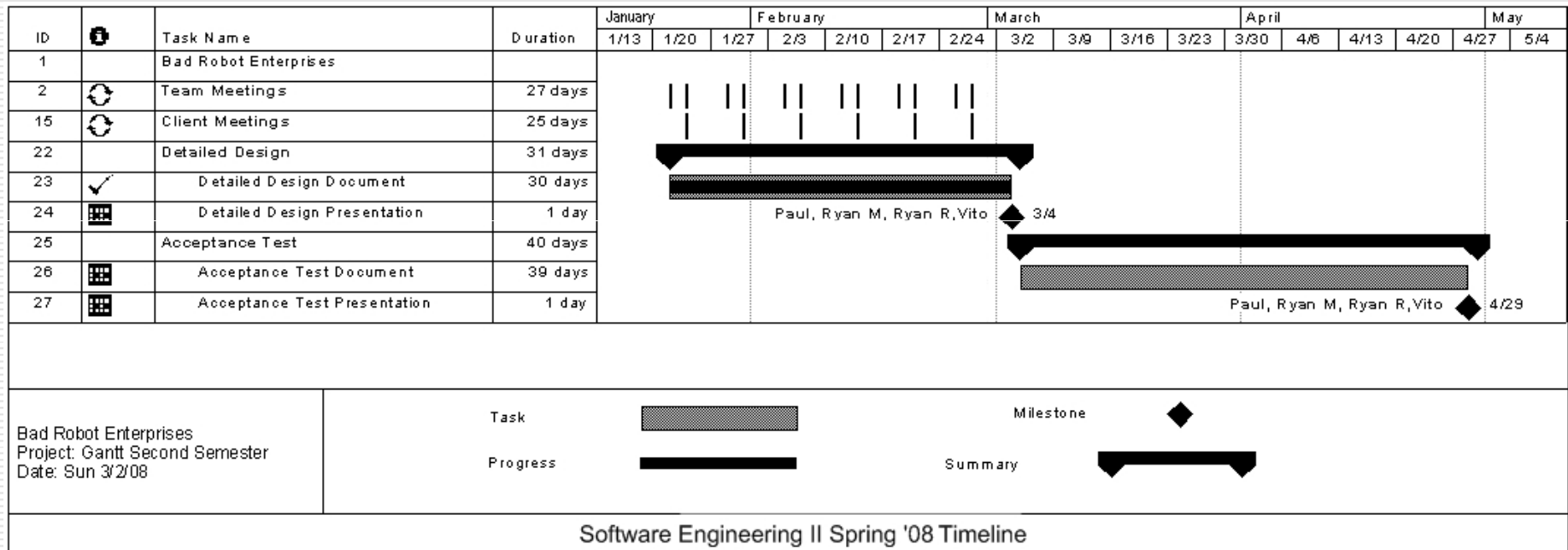- ☐ **What's Next, Important Dates, and Questions – Paul Borchers**

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?