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

Presented: 9/21/07

Today’s Presentation
AGENDA

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

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

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

IOS Requirements Specification
Bad Robot Enterprises
TEACHER WELCOME

IOS

History

+ Published Surveys

Active and Unpublished Surveys
STUDENT WELCOME
ADMINISTRATOR ACCOUNT CREATION PAGE

IOS Requirements Specification
Bad Robot Enterprises
LIST CURRENT USERS
(ADMINISTRATOR)
TEACHER SURVEY CREATION
TEACHER SHARE RESULTS

IOS

Share Results

Make these Surveys Public to the Community

☐ Test Survey
☐ Test Survey
☐ Test Survey

Submit
STUDENT ACCOUNT MANAGEMENT

IOS Requirements Specification
Bad Robot Enterprises
AGENDA

☐ Problem Definition
☐ Data Flow Diagrams
☐ Use Case Narratives
☐ Functional Requirements Inventory
☐ Prototypes
☐ Status Report
WATERFALL MODEL

Presentation: 11/28/07
# DEVELOPMENT TIMELINE

<table>
<thead>
<tr>
<th>ID</th>
<th>Task Name</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bad Robot Enterprises</td>
<td>9/2</td>
<td>9/9</td>
<td>9/16</td>
<td>9/30</td>
</tr>
<tr>
<td>2</td>
<td>Meetings</td>
<td>9/10</td>
<td>9/17</td>
<td>9/23</td>
<td>9/30</td>
</tr>
<tr>
<td>26</td>
<td>Client Meeting</td>
<td>9/14</td>
<td>9/21</td>
<td></td>
<td>9/28</td>
</tr>
<tr>
<td>38</td>
<td>Software Plan</td>
<td>9/25</td>
<td>9/30</td>
<td></td>
<td>10/4</td>
</tr>
<tr>
<td>39</td>
<td>Software Plan Documents</td>
<td>10/10</td>
<td>10/15</td>
<td></td>
<td>10/28</td>
</tr>
<tr>
<td>40</td>
<td>Requirement Specification</td>
<td>10/21</td>
<td>10/26</td>
<td></td>
<td>10/28</td>
</tr>
<tr>
<td>41</td>
<td>Requirement Specification Documents</td>
<td>10/21</td>
<td>10/26</td>
<td></td>
<td>10/28</td>
</tr>
<tr>
<td>42</td>
<td>Requirement Specification Documents</td>
<td>10/21</td>
<td>10/26</td>
<td></td>
<td>10/28</td>
</tr>
<tr>
<td>43</td>
<td>Requirement Specification Presentation</td>
<td>10/21</td>
<td>10/26</td>
<td></td>
<td>10/28</td>
</tr>
<tr>
<td>44</td>
<td>Preliminary Design</td>
<td>10/28</td>
<td>10/29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>Preliminary Design</td>
<td>10/29</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>Preliminary Design</td>
<td>10/29</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>Preliminary Design</td>
<td>10/29</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Project Timeline**

- **Date**: Wed 10/24/07

**Task**

- Milestone
- External Tasks

**Progress**

- Summary
- External Milestone
- Project Summary
- Deadline

---

IOS Requirements Specification

Bad Robot Enterprises
SUMMARY - QUESTIONS?

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