Environmental Monitoring System

Acceptance Test

by

SaintSoft
Welcome

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&

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SaintSoft Team Organization

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- Daniel Schuldt – Development Manager
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- Tina Ting – Testing Engineer
Agenda

• Introduction
  • David Moore

• Acceptance Test Results
  • David Moore

• Testing Results
  • Tina Ting

• Demonstration
  • Hannah Palmer

• Deliverables and Conclusion
  • Christian Damberg
Acceptance Test Results
Acceptance Test Results

- Login screen
  - can the user log in
  - does the forget password link work
  - can the user register if they are a new user
  - is the current news being displayed
  - does the more news link work
Acceptance Results Continued

- Preference screen
  - can all the fields be filled in
  - do the submit and cancel buttons work properly

- Initial screen
  - does the location and IP address display correctly
  - can the user view their personal profile
  - can the user log out
  - does the register sensor link work
Acceptance Results Continued

- **Register sensor screen**
  - can all the fields be filled in
  - do the OS and IP fields auto fill
  - do the submit and cancel buttons work properly
Acceptance Results Continued

- Monitored user screen
  - does the location and IP address display correctly
  - can the user view their personal profile
  - can the user log out
  - do the correct sensor(s) show up on the screen
  - can the alert history be viewed for each sensor
  - can the device options be viewed for each sensor
  - does the current sensor information load
  - does the refresh devices link work
  - can the user register or delete a sensor
Acceptance Results Continued

- Remote user screen
  - does the location and IP address display correctly
  - can the user log out
  - do the correct sensor show up on the screen
  - can the alert history be viewed for each sensor
  - does the current sensor information load
  - does the refresh devices link work
  - can the user register or delete a sensor
Acceptance Results Continued

- **Sensor options screen**
  - can the threshold be changed
  - can the sensor be enabled and disabled
  - do the submit and cancel buttons work

- **View alert screen**
  - do the alerts show up

- **User preference screen**
  - can the user change their account information
  - can the user change their contact information
  - can the user change their notification information
Testing Results
Unit Test Results

- The Unit Test is designed to test every aspect of our Software, from the GUI to simple data entry to overall functionality.
- Our Unit Tests, based on a pass/fail scale, have passed for all testable criteria.
- The project was successfully tested for data integration between pages.
# Sample Unit Test

## - Remote User -

### Unit Test: 1.5 Welcome Screen (Remote User)

<table>
<thead>
<tr>
<th>ID 5.№</th>
<th>What is being tested</th>
<th>Tested for</th>
<th>Expected Outcome</th>
<th>Pass or Fail</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>User accessing Welcome screen</td>
<td>Does it load?</td>
<td>Page loads and it will display user name, IP address, current status, number of locations, sensors, and the last login date</td>
<td>Pass</td>
<td>Page displays every information that we expect</td>
</tr>
<tr>
<td>2</td>
<td>User clicks on the Home button</td>
<td>Does it work?</td>
<td>Welcome page will display</td>
<td>Pass</td>
<td>Page loads normally</td>
</tr>
<tr>
<td>3</td>
<td>User clicks on the Location button</td>
<td>Does it work?</td>
<td>Location page will display</td>
<td>Pass</td>
<td>Page loads normally</td>
</tr>
<tr>
<td>4</td>
<td>User clicks on the Add Device button</td>
<td>Does it work?</td>
<td>Add Device page will display</td>
<td>Pass</td>
<td>Page loads normally</td>
</tr>
<tr>
<td>5</td>
<td>User clicks on the Log Off button</td>
<td>Does it work?</td>
<td>User will log out of the system and the login page will display</td>
<td>Pass</td>
<td>User log out and log in page display</td>
</tr>
</tbody>
</table>
## Sample Unit Test - Sensored User -

### Unit Test: 2.8 Device Information Screen

<table>
<thead>
<tr>
<th>ID</th>
<th>What is being tested</th>
<th>Tested for</th>
<th>Expected Outcome</th>
<th>Pass or Fail</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>User accessing Device Information Screen</td>
<td>Does it load?</td>
<td>Page loads with all the device information</td>
<td>Pass</td>
<td>Page display with all the information that we expect</td>
</tr>
<tr>
<td>2</td>
<td>User clicks on the Home button</td>
<td>Does it work?</td>
<td>Welcome page display</td>
<td>Pass</td>
<td>Page display</td>
</tr>
<tr>
<td>3</td>
<td>User clicks on the Edit Profile button</td>
<td>Does it work?</td>
<td>User Profile page display</td>
<td>Pass</td>
<td>Page display</td>
</tr>
<tr>
<td>4</td>
<td>User clicks on the Location button</td>
<td>Does it work?</td>
<td>The Location page display, if user have added a device, it will show the location of the device, otherwise it will show that user have not add a device yet</td>
<td>Pass</td>
<td>Page display with information</td>
</tr>
<tr>
<td>5</td>
<td>User clicks on the Edit Device button</td>
<td>Does it work?</td>
<td>The Device/Location Management page display with information</td>
<td>Pass</td>
<td>Page display with information</td>
</tr>
<tr>
<td>6</td>
<td>User clicks on the Log Off</td>
<td>Does it work?</td>
<td>User will get log off and the log in page will display</td>
<td>Pass</td>
<td>User get log off and the log in page display</td>
</tr>
</tbody>
</table>
## Sample Unit Test - Administrator -

### Unit Test: 3.2 Query Results Screen

<table>
<thead>
<tr>
<th>ID 3.2.#</th>
<th>What is being tested:</th>
<th>Tested for:</th>
<th>Expected Outcome:</th>
<th>Pass or Fail:</th>
<th>Comments:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Admin performs a search and is brought to the Query Results page</td>
<td>Does it load?</td>
<td>Page loads and displays the search results with the correct fields</td>
<td>Pass</td>
<td>Expected results are displayed</td>
</tr>
<tr>
<td>2</td>
<td>Admin sorts the results ascending</td>
<td>Does it work?</td>
<td>The results sort correctly</td>
<td>Pass</td>
<td>Expected results are displayed</td>
</tr>
<tr>
<td>3</td>
<td>Admin sorts the results descending</td>
<td>Does it work?</td>
<td>The results sort correctly</td>
<td>Pass</td>
<td>Expected results are displayed</td>
</tr>
<tr>
<td>4</td>
<td>Admin clicks the edit button</td>
<td>Does it work?</td>
<td>The User Profile page is displayed</td>
<td>Pass</td>
<td>Page loads</td>
</tr>
</tbody>
</table>
Demonstration
of the
Environmental Monitoring System
Software
Demonstration

Environmental Monitoring System
Deliverables and Conclusion
The Deliverables for this project will include:

- A hard copy of the Acceptance Test document
- A compact disk including:
  - The Acceptance Test document
  - Test Plan & Results
  - The Project Website
  - Source Listings
  - Our Team Website
  - PowerPoint Presentation
Gantt Chart
Thank You!

Any Questions?