Programming Staff

Preliminary Usability Test Results

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Programming Staff

- Front end application for citizen scientists to upload and visualize staff gauge hydrology data.
- Information can be uploaded by the users either by entering the required fields or by clicking picture.
- The main goal of the application is it should be simple, robust and user friendly.
Test 1

- In this test I asked the participants to work on accounts i.e. creating and restoring an old account.
- This test mainly intends to check the functionality and the speed in performing this action.
- The data collected in this test is the time taken to perform the action and number of participants who could complete the test without any mistakes.
- And to find the difficulties encountered by participants.
Test 2

- In this test I’ve asked the participants to enter the data manually.
- This test mainly intends to check the functionality.
- The data collected in this test is number of participants who could complete the test without any mistakes and to find the difficulties encountered by participants.
Test 3

- In this test I’ve asked the participants to enter the data by clicking a picture.
- This test mainly intends to check the functionality.
- The data collected in this test is number of participants who could complete the test without any mistakes and to find the difficulties encountered by participants.
Usability Results

**Test 1**

- The average time taken for creation of account is 1.06 minutes.
- Only two out of five participants could complete the task without any mistakes.

**Test 2**

- Almost every participant could complete the task except for one
- Most of them had issues with the size of the text they entered.
Usability Results

Test 3

- Everyone could complete the task without any mistakes.
- Had issues with the retake/reuse button.
Results of Common Usability Questions

Years of experience with smart phones

- User 1: 4 years
- User 2: 5 years
- User 3: 6 years
- User 4: 4 years
- User 5: 3 years
Results of Common Usability Questions

Agreement in Testing

- **Strongly Agree**
  - User 1
  - User 2
  - User 4
  - User 5
- **Agree**
  - User 3
- **Neutral**
  - User 1
  - User 2
  - User 3
  - User 4
- **Disagree**
  - User 3
- **Strongly Disagree**
  - User 5
Results of Common Usability Questions

- All the user felt that the application was simple.
- Except for one every one felt that it looks like the same as what they expected it to be.
# Bugs

<table>
<thead>
<tr>
<th>Bug Number</th>
<th>Bug Name</th>
<th>Bug Location</th>
<th>Bug Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Email verification</td>
<td>Login page</td>
<td>Couldn’t send the password to the email.</td>
</tr>
<tr>
<td>2</td>
<td>Image Preview</td>
<td>Submission Page</td>
<td>No image preview after clicking a pic.</td>
</tr>
<tr>
<td>3</td>
<td>Profile information</td>
<td>Profile page</td>
<td>There is tracking information on an account.</td>
</tr>
</tbody>
</table>
Recommended Changes

- Use different buttons for login and sign up.
Recommended Changes

- Adjust the size of text boxes such that one can see the data they enter.
Recommended Changes

- Add a back button to get back to the home page.
Recommended Changes

- We can exclude the view graph button.
Questions??
Or
Comments