**Usability Test Plan**

**Usability Test:**

This describes the test plan for conducting usability test for Northwest Sports web android application. The goals of the usability test is to assess the user interface, time taken to learn, speed of performance and Rate of errors.

The usability test objectives are:

To determine design inconsistencies and usability problem areas within the user interface and content areas. Potential sources of error may include:

**Navigation errors** – failure to locate functions, failure to follow recommended screen flow.

**Presentation errors** – failure to locate and properly act upon desired information in screens, selection errors due to labeling ambiguities.

**Test methodologies and planning:**

|  |  |
| --- | --- |
| Test Approach | A user will be selected randomly to participate in the testing |
| Test method | Allow the user to think loud and perform the task |
| Domain knowledge | User have basic knowledge about using web applications, navigation and login |
| Data collection | Informed Consent from users and feedback |
| User Suggestions | Regarding any improvements to the user interface and collecting all the data to the fix any defects |

## **Informed Consent:**

Participants plays a major role in usability testing and their participation should be voluntary. We must ask the participants to read the statements below and get their sign prior to their participation in usability testing as it is a good professional practice.

* I have freely volunteered to participate in this experiment.
* I have been informed in advance what my task(s) will be and what procedures will be followed.
* I have been given the opportunity to ask questions, and have had my questions answered to my satisfaction.
* I am aware that I have the right to withdraw consent and to discontinue participation at any time, without prejudice to my future treatment.
* I have read and understood the information on this form and had all of my questions answered

\_\_\_\_\_\_\_Nadeem Ansari.\_\_\_\_\_\_\_\_ \_\_\_\_\_10/26/16\_\_\_\_\_\_\_\_

Signature Date

## **Team roles and users:**

Table 1.1: Team roles

|  |  |
| --- | --- |
| Testing Location: | Library Room 366 |
| Test User: | Nadeem Ansari |
| Facilitator: | Yashwanth, Sanjeev |
| Note Keeper | Spandana, Pushpak |
| Observer: | Nandeesh, Naveen, Vinod |

**Task List:**

|  |  |
| --- | --- |
| **Task ID** | **Description** |
| Task 1 | **Launch the application:** User has to open the application and sign in |
| Task 2 | **Registration Page:** User can fill in the details and register |
| Task 3 | **Choose the university:** User can select a university from the list of universities available in the place. |
| Task 4 | **Forgot password:** User can click on forgot password and reset it by sending to their mail |
| Task 5 | **Select Fraternities:** User can select the fraternity from the given list in that region. |
| Task 6 | **Edit Profile:** User can view and also edit his/her profile. |
| Task 7 | **Sending alert to the guard:** User can report the incident to the guard user. |
| Task 8 | **Accept button:** User can click on accept button after the issue is resolved. |

**Usability Logs:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Task** | **Start Time**  **(hh:mm:ss)** | **End Time**  **(hh:mm:ss)** | **No. of**  **Mouse clicks** | **No. of keystrokes** | **No. of Errors or Defects** | **Defects/**  **Comments** |
| **T1** | 4:20:10 | 4:20:50 | 3 | 14 | 0 | -- |
| **T2** | 4:21:20 | 4:21:30 | 2 | 0 | 0 | -- |
| **T3** | 4:22:04 | 4:22:26 | 2 | 0 | 0 | -- |
| **T4** | 4:22:40 | 4:23:22 | 3 | 4 | 1 | User can’t able to find button for sorting |
| **T5** | 4:23:50 | 4:24:55 | 5 | 10 | 0 |  |
| **T6** | 4:25:30 | 4:26:42 | 2 | 0 | 1 | User cannot able to redirect to the page |
| **T7** | 4:27:12 | 4:27:23 | 2 | 0 | 0 | -- |
| **T8** | 4:27:35 | 4:28:03 | 2 | 0 | 0 | -- |

**Usability Measures:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Usability measure** | **T1** | **T2** | **T3** | **T4** | **T5** | **T6** | **T7** | **T8** |
| **Rate of errors** | 0 | 0 | 0 | 0.02 | 0 | 0.08 | 0 | 0 |
| **Speed of performance(In minutes)** | 00:40 | 00:10 | 00:22 | 00:42 | 01:05 | 00:12 | 00:09 | 00:18 |

**Defect List:**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **Defects** | **(Found / Not Found)** |
| 1 | Not able to see user guide | Found |
| 2 | Emergency button doesn’t work | Found |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |

**Survey/ Questionnaire:**

Rating: (1-Strongly Disagree, 2-Disagree, 3-Undecided, 4-Agree, 5-Strongly Disagree)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Question** | **1** | **2** | **3** | **4** | **5** |
| The application maintained consistency |  |  |  | **×** |  |
| This application is easy to use |  |  |  | **×** |  |
| The user interface is interactive |  |  | **×** |  |  |
| Necessity of technical person while using interface |  |  | **×** |  |  |
| Early preparation is necessary to use website |  | **×** |  |  |  |
| Overall rating for the interface |  |  |  | **×** |  |
| Is anymore improvements required |  | | | | |
| User comments (if any) |  | | | | |