# **Usability Test Report**

We have divided the whole functionality into multiple tasks and performed the usability testing on a random user. We have done the usability testing by providing the user with an application installed on the mobile. Then we observed how the user experienced while using the application and took feedback from the user.

## **Task list:**

|  |  |
| --- | --- |
| **Task ID** | **Description** |
| Task 1 | **Basic user Signup:** If the user is new to the application, she needs to register first. |
| Task 2 | **Basic user Login:** If the user is already registered, she can login into the application |
| Task 3 | **Report an issue:** The user can report an issue to the fraternity members. |
| Task 4 | **Basic user logout:** User logs out of the application. |
| Task 5 | **Host user login:** The host can login into the application specially designed for him. |
| Task 6 | **View PG team:** Host can view the list of guards. |
| Task 7 | **View alerts:** Host can see the alerts |
| Task 8 | **View history:** Host can view the resolved alerts. |
| Task 9 | **Host logout:** Host logs out of the application. |
| Task 10 | **Guard user login:** The guard user can login to the application designed for him. |
| Task 11 | **View alerts:** Guard can see the alerts |
| Task 12 | **View history:** Guard can view the resolved alerts. |

## **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

\_\_\_\_\_\_\_\_\_\_\_\_Sai Raj\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_11/28/2016\_\_\_\_\_\_\_\_\_\_ Signature Date

## **Team roles and users:**

Table 1.1: Team roles

|  |  |
| --- | --- |
| Testing Location: | Library Meeting Room |
| Test User: | Sai Raj Kiran |
| Facilitator: | Harish Yeddluri |
| Note Keeper | Harish Reddy Yanala |
| Observer: | Vinod Kurma |

## **Usability logs:**

Table 1.2 User usability logs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Task | Start time  (hh:mm:ss) | End time  (hh:mm:ss) | No of mouse clicks | No of key strokes | No. of errors | Defects/comments |
| T1 | 6:10:57 | 6:12:10 | 2 | 60 | 1 | No details about password characteristics. |
| T2 | 6:16:15 | 6:16:56 | 1 | 25 | 0 | - |
| T3 | 6:18:59 | 6:19:30 | 5 | 10 | 1 | No resolution alert. |
| T4 | 6:19:45 | 6:19:55 | 3 | 0 | 0 |  |
| T5 | 6:20:00 | 6:20:15 | 1 | 28 | 0 |  |
| T6 | 6:20:20 | 6:20:25 | 1 | 0 | 0 | - |
| T7 | 6:20:26 | 6:20:30 | 1 | 0 | 0 | - |
| T8 | 6:20:35 | 6:20:40 | 1 | 0 | 0 | - |
| T9 | 6:20:42 | 6:20:50 | 1 | 0 | 0 | - |
| T10 | 6:21:05 | 6:21:20 | 1 | 26 | 0 | - |
| T11 | 6:21:20 | 6:21:25 | 1 | 0 | 0 | - |
| T12 | 6:21:27 | 6:21:35 | 1 | 0 | 0 | - |

## **Usability Measures:**

Table 1.3: Usability measure calculations

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Usability measures** | **T1** | **T2** | **T3** | **T4** | **T5** | **T6** | **T7** | **T8** | **T9** | **T10** | **T11** | **T12** |
| Speed of performance | 01:13 | 00:41 | 00:31 | 00:10 | 00:15 | 00:05 | 00:04 | 00:05 | 00:08 | 00:15 | 00:05 | 00:08 |
| Rate of errors | 0.01 | 0 | 0.03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## **Subjective satisfaction: Likert scale**

Table 1.4 User subjective satisfaction

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Question | Very Bad | Bad | Good | Very Good | Excellent |
| Are the results of control entry compatible with user expectations? |  |  |  |  |  |
| Is the coding consistent across displays, menu options? |  |  |  |  |  |
| Is the navigation easy? |  |  |  |  |  |
| Are selected data highlighted? |  |  |  |  |  |