

USABILITY TEST REPORT OF ATU DORMATORY AUTOMATION

PREPARING THE TEST PLAN

What are we are going to test here?

The main purpose of the usability tests to be carried out within the scope of the X Project is to observe how effectively and efficiently the users can perform the tasks given within the framework of the specified functions. It will be executed as desktop.

What is the purpose of testing?

First of all, our aim to test this program is to investigate the systemic vulnerabilities that we do not see but people notice, to find out which generation we are addressing, to find the functional deficiencies of the program, most importantly, to motivate ourselves to go one step further by getting people to return to us about the good aspects or deficiencies of the program in this program.

PARTICIPANTS

I want to talk about the participants in the test. students were at the heart of the purpose of the dormitory program in this test. For this, we have included more student participants. Another participant is the dormitory administrator. Because the dormitory administrators will use this program. There are 4 participants in total, their age range is between 21 and 32.

Users	Gender	Age	Computer Skills	Education Status	Job
User 1	Female	25	Advanced	Electric electornic engineer	Engineer
User 2	Male	22	Advanced	Student (Universty)	student
User 3	male	21	Adequate	student (Universty)	student
User 4	Business owner	Business owner	Business owner	Business owner	Business owner

4. USABILITY METHOD

We conducted this test in a face-to-face environment. These participants were the people we came face to face in daily life. we also recorded the data from the participants via word program. We asked two participants to fill in the information in dormitory automation.

We asked the last two participants to examine the data in the dormitory automation student information database.

5.TASK ASSAIGNED TO PARTICIPANTS

We asked two participants to fill in the information in dormitory automation.

We asked the last two participants to examine the data in the dormitory automation student information database.

6.EVALIATION OF THE RESULTS

Task 1-2	1.user	2.user	3.user	4.user
Easy	+	+		
medium			+	
difficult				-

TASK 1:By looking at this table, we can interpret this program as follows It is quite sufficient or sufficient as an interface. Because operations such as data entry, addition, subtraction, student room selection are easier because they are more visual. The first two participants gave easy answers to the given tasks. Because this process is very easy and the interface is visual enough.

TASK 2:Based on the last two users, they had a hard time accessing the data in the program's database. these participants viewed data in the database (sql server), adding data, updating data tables. the last two participants gave the medium or difficult answer. Because this task is more complex than the other task. Different software is required to access the database (sql server) Moderate expertise is required to operate in the database

back then we asked them to switch tasks with the participants in pairs.

TASK 1(LAST PAIRS):The result we obtained, unlike other users, both gave the answer difficult. As in the other group, they had no difficulty in adding data to the interface.In the room selection, they entered the room information very easily.

TASK 1-2	USER 1	USER2	USER3	USER4	
EASY			+++	+++	
MEDIUM					
DIFFICULT	----	-----			

In how many seconds did they complete the given task?

TASK 1	USER 1	USER 2	USER3	USER 4
	120 sec.	100 sec	90 sec	105 sec
TASK 2	250 sec.	200 sec	215 sec	270 sec

7.DETECTED PROBLEMS

In this program, as I mentioned above, 4 participants had no difficulty in adding or subtracting from the interface. However, in the second task, all users had difficulty in accessing the database.

8.SUGESSTION:

I want to make a suggestion to the users here. In today's age, we need to keep the data in our hands. For this, they need to focus on the programs that make the data more meaningful. They can also read videos about the database before using the program. Because database programs are vital for such programs.

9.CONCLUSION

We have completed the usability test for this dormitory registration automation. As a result of the evaluations with 4 participants, it has been observed that users with low data management knowledge have difficulty in performing some operations. However, the positive side is that the participants using this dormitory registration automation can

perform non-vital transactions with basic level information. base access records display operations can be more visualized. We will make new additions by taking this test into account.