**USABILITY TEST REPORT OF CLASROOM AUTOMATİON PREPARİNG THE TEST PLAN**

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.

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. In this educational institution, students and teachers took place at the center of the aim of the private course program. For this, we included more student participants.

Another participant is the classroom manager. Because classroom administrators will use this program. in total

There are 4 participants, the age range is between 16 and 50.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Users** | **Gender** | **Age** | **Computer Skills** | **Education Status** | **Job** |
| User 1 | Female | 17 | Advanced | Student(High School) | student |
| User 2 | Male | 16 | Advanced | Student (High School) | student |
| User 3 | Male | 32 | Adequate | Business owner | teacher |
| User 4 | Female | 45 | Business owner | Business owner | Business owner |

**USABİLİTY METHOD**

We conducted this test in a face-to-face setting. These participants were people we come face-to-face in daily life. We also recorded the data from the participants with the word program. We asked two participants to fill in the information in the classroom automation.

We asked the last two participants to examine the data in the classroom automation student knowledge database.

**TASK ASSAIGNED TO PARTICIPANTS**

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

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

* **EVALIATION OF THE RESULTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task 1-2 | 1.user | 2.user | 3.user | 4.user |
| Easy | + | + |  |  |
| medium |  |  | + |  |
| dificult |  |  |  | - |

TASK 1: By looking at this table, we can interpret this program as follows. It is quite sufficient or sufficient as an interface. Because data entry, addition, subtraction, class 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: According to the last two users, they had difficulty accessing the data in the program.

database. these participants viewed, added, updated data in the database (sql server)

data tables. the last two participants gave medium or difficult answers. Because this mission

is more complex than the other task. Different software required to access database (sql server) Intermediate expertise required to work in databaseback then we asked them to switch tasks with the participants in pairs.

TASK 1 (LAST PAIRS): The result we got was that unlike other users, both gave difficult answers. They had no difficulty adding data to the interface as in the other group. They entered the class information very easily in class selection.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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** |

**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.

**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.

**CONCLUSİON**

We have completed the usability test for this classroom automation. As a result of the evaluations made with 4 participants, it was observed that users with low data management knowledge had difficulties in performing some operations. However, the positive side is that the participants who use this private tutoring registration automation,

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

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