**Object Oriented Analysis and Design with Software Engineering Laboratory**

**Subject Code: UE18CS355**

**Template of a Test case for Recommendation of Doctor:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Name of Module | Test case description | Pre-conditions | Test Steps | Test data | Expected Results | Actual Result | Test Result |
| T1 | login | If the user has not logged in, then no catalog/menu must be shown | Access to login page | Either goto register or login page to login | [kushal@practo.com](mailto:kushal@practo.com)  123 | Login unsuccessful  and program should quit | Login unsuccessful and program has to quit after few retries | Pass |
| T2 | login | If the user has logged in, then catalog/menu must be shown | Access to login page | Either goto register or login page to login | [kushal@practo.com](mailto:kushal@practo.com)  passwd123 | Login successfull | Login successfull | Pass |
| T3 | book\_appointments | Given input problem cannot be empty | From user menu, go to book appointments | Give an empty string | \*\*nothing\*\* | Should state “Problem cannot be empty” | States “Problem cannot be empty” | Pass |
| T4 | book\_appointments | If the problem is urelated to any doctor, general doctors must clarify | From user menu, go to book appointments | Give junk string | dsfdfsdfsdfv | general doctors should be pronted | Gets general doctors | Pass |
| T5 | book\_appointments | Out of range for availbale doctor’s list | From user menu, go to book appointments | Enter a number which is not specified in doctor list | 084800 | Should prompt to print actual indices | list index out of range error | Fail |
| T6 | book\_appointments | Check for future dates | From user menu, go to book appointments | Enter expired date | 10/10/2000 | Should prompt -Please enter a valid date | Logical error | Fail |
| T7 | book\_appointments | Check for valid dates | From user menu, go to book appointments | Enter character | dadadassda | Should prompt -Please enter a valid date | Prompts: Please enter a valid date | Pass |
| T8 | book\_appointments | Check for valid time slots | From user menu, go to book appointments | Enter number other than specified | 50505005 | Should prompt -[!] Enter an integer from the given set | Got - [!] Enter an integer from the given set | Pass |

As part of the next deliverable for OOAD-SE projects, students need to prepare test cases and perform manual testing on the system implemented.

**Instructions:**

1: Prepare atleast 8-10 test cases for each **implemented use case** (functional requirements) as per the below given template which should include Unit, Integration and System Test cases.

2: Carry out manual testing for all the test cases and populate the columns Actual Result and Test Result.

* **Test Case ID :** Each test case should be represented by a unique ID. To indicate test types, follow some convention like "UT\_01" indicating "Unit Testing - Test Case#1."
* **Name of the module :** Specify the name of the **main module or sub module** being tested
* **Test Case Description :** Specify the summary or test purpose in brief
* **Pre- Conditions :** Any requirement that needs to be done before execution of this test case.
* **Test Steps** : Mention all the steps in detail and specify the order in which it is to be executed.
* **Test Data :** Input for the test case to be executed. Specify different data sets with precise values to be used as input. (create test case for both valid and invalid inputs)
* **Expected Results :** Mention the expected results including error or precise messages that should be displayed on screen
* **Actual Results :** After execution of test case fill this column with the result obtained
* **Test Result (Pass/Fail) :** Mark this field as “fail” if the actual result is not same as expected result else mark as “pass”.