# Chapter 6

# System Testing and Evaluation

## 6.1 Test Cases

Testing is extremely important, both to ensure that the system meets requirements and to ensure that it is free of errors. That is why it is performed throughout the development process at every level.

|  |  |
| --- | --- |
| Test Case ID | Test 1 |
| Objective | Verify Registration/ login activity. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1. Enter valid email. 2. Enter valid password. 3. Click on Register/Login button. |
| Expected Results | After successful verification user is able to login into the system. |
| Verification should be performed. | Pass |

##### Table 6.1 User Authentication

|  |  |
| --- | --- |
| Test Case ID | Test 2 |
| Objective | Pet profiles details should be added into the database successfully. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1. Fill the all the input text fields properly. 2. Click on save button. |
| Expected Results | Should save into the database successfully. |
| If database is updated successfully. | Pass |

##### Table 6.2 Add Pet Profile

|  |  |
| --- | --- |
| Test Case ID | Test 2 |
| Objective | Doctor profiles details should be added into the database successfully. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1. Fill the all the input text fields properly. 2. Enter correct hospital id assigned by the hospital. 3. Click on save button. |
| Expected Results | Should save into the database successfully. |
| If database is updated successfully. | Pass |

##### Table 6.3 Add Doctor Profile

|  |  |
| --- | --- |
| Test Case ID | Test 3 |
| Objective | To view to pet profile. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1. Click on View profile button. |
| Expected Results | Pet profile should be fetched from the database successfully. |
| If profile is successfully fetched. | Pass |

##### Table 6.4 View Pet Profile

|  |  |
| --- | --- |
| Test Case ID | Test 4 |
| Objective | Diet plan should be fetched successfully. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1. Select pet specie, breed and age. 2. Click on Generate Plan button. |
| Expected Results | Diet plan should be fetched from database successfully. |
| If successfully fetch from database | Pass |

##### Table 6.5 Generate pet Diet Plan

|  |  |
| --- | --- |
| Test Case ID | Test 5 |
| Objective | Common diseases details should be fetched from the database successfully. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1. Select pet specie. 2. Click on View Details button. |
| Expected Results | Details should be fetched from database successfully. |
| If successfully fetch from database | Pass |

##### Table 6.6 View Pet Diseases Detail

|  |  |
| --- | --- |
| Test Case ID | Test 6 |
| Objective | Alarm should be generated on time and can be deleted at any time. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1. Enter the pet name and set the alarm time. 2. Click on Set Alarm button. 3. Click on alarm list to view the list. 4. Click on turnoff sign to turn off or delete button to delete the alarm. |
| Expected Results | Alarm should be generated on time and can be deleted at any time. |
| If alarm is generated on time. | Pass |

##### Table 6.7 Notification Alarm

|  |  |
| --- | --- |
| Test Case ID | Test 7 |
| Objective | Test the Appointment activity. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1-If Appointment button is clicked then email should be send and button should be disabled.  2-If Cancel button is clicked then email should be send and button should be disabled. |
| Expected Results | Email should be send in both functions. |
| Correct email should be fire in both cases. | Pass |

##### Table 6.8 Take / Cancel Appointment

|  |  |
| --- | --- |
| Test Case ID | Test 8 |
| Objective | Verify logout functionality. |
| Environment | Android Application |
| Prerequisite | Application must run. |
| Method | 1. Click on Logout button. |
| Expected Results | When click on logout user should log out. |
| User should be log out from application when clicked. | Pass |

##### Table 6.9 Logout

### 6.2 Website Test Case

|  |  |
| --- | --- |
| Test Case ID | Test 3 |
| Objective | Relevant information should be displayed and appointment can be taken successfully. |
| Environment | Website Application |
| Prerequisite | Website must run. |
| Method | 1. Click on any button for information. 2. Input correct information for appointment. |
| Expected Results | Information should be displayed successfully and appointment is taken. |
| If is successfully viewed. | Pass |

##### Table 6.10 View Information and appointment