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