

## 4. Comprehensive Verification and Validation (V&V) plan

#	Test Name	Input	Conditions/Test	Expected Output	Comments
1	User Authentication	Username Password Type of user	User exists, password correct	Authenticate User, Continue to dashboard	Its only the app that checks the type of user
2		Username Password Type of user	User does not exist	Display authentication error message	
3		Username Password Type of user	User exists, password incorrect	Display authentication error message	
4		Username Password Type of user	User exists, password correct, account disabled	Display authentication error message	For the app when technician is removed
5	Client Booking	Client Name, Client Email, Client phone, Client Address. Appointment Date, Type of Service	All form fields have values	Display success message	
6		Client Name, Client Email, Client phone, Client Address. Appointment Date, Type of Service	Missing values	Display Error message and prompt user to enter missing values.	
7	Track Appointment Progress	Client reference Code	Correct Reference code	Display Progress Information	
8		Client reference Code	Incorrect Reference code	Display authentication error message	
9	Generate Quotation	Client personal details, Type of service rendered. Inspection information	Technician has inspected	Display the created quotation	
10	Assign appointments to technician	Client Information Service booked for	Technician is available	Display success Message	
11	View Appointments	Technician login information	Technician is assigned a Client	Display client Information	
12		Technician login information	Technician is not assigned a Client	Notify Technician that there is no Clients assigned to them.	

<b>13</b>	Record Inpection Information	Client Information Technician information	Client must be assigned to the technician	Display information recorded	
<b>14</b>	Log an update on appointments progress	Client information Technician Information	Technician must have made progress or changes	Display Success Message	
<b>14</b>	Generate Invoice	Client and Inspection details.	Tasks must be completed	Display the Invoice	
<b>15</b>	Generate Profit and Productivity Data	Number of clients. Number of appointmes, Expenses, Total fees per client	Enough data	Display graphs with information	
<b>16</b>		Number of clients. Number of appointmes, Expenses, Total fees per client	Not enough data		

## 5. Gantt Chart & Resource Breakdown