

ID and Type	Description	Rationale	Measurable goal	Priority	Dependencies
1- Functionality	Ensure all pages are visitable and show appropriate items	Allows for product to be used	Test all pages are visitable and load properly	1	none
1- Functionality	Logins for staff are successful	Allows for product to be used	Test all staff logins are successful	1	none
1- Functionality	Managers are able to add/delete staff	Ensures all current staff can login to application	Test 100 creations and deletions for staff members	1	none
1- Functionality	Logins for properties are successful	Allows for product to be used	Test all property logins are successful	1	none
1- Functionality	database stores and retrieves P/R all entries	Ensure P/R database functionality	Preform 100 test entries and retrievals	1	none
1- Functionality	P/R entries can be claimed by a staff member	Allows for product to be used	Preform 100 tests of P/R items being claimed	1	none
1- Functionality	Managers can access completed/past P/R entries	Allows for product to be used as intended	Test the feature 100 times for assurance	1	none
1- Functionality	P/R entries are removed from staff portal when entries are finished	Allows for product to be used correctly	Test the feature 100 times for assurance	1	none
2i - Look and Feel - Appearance	application has an aesthetic pleasing appearance	Provides better experience for guests and staff	Provide examples to customer for approval	4	1
2ii - Look and Feel - Appearance	ensure database entries are displayed in legible text	Allows for entries to be read without strain	Provide examples to customer for approval	4	1, 4iii
3ii - Usability - Personalization and Internationalization	Login names can be unique and personalized	helps logins be memorable and personalized	Test 100 creations for login credentials	4	1
3iii - Usability - Learning	managers and staff are able to use application after training	Allows for product to be used and new staff can be trained	Have all current staff train me to see if they understand the application	3	1
3vi - Usability - Convenience	application can be accessed through app shortcut as well as the web browser	Application is easier to access for guests and staff	test that application shortcut pulls up the application	3	1, 4iv
4i - Performance - Speed and Latency	logins have short load time	Provides better experience for guests and staff	Ensure login load times are less than 5 seconds on average	3	1
4i - Performance - Speed and Latency	P/R database retrieval is in adequate time	Ensures P/R entries can be retrieved/viewed in a reasonable amount of time	Ensure database retrieval completes in less than 15 seconds	3	1, 4iii
4ii - Performance - Safety-Critical	application does not lose data under power loss	Ensure data retention under a power loss to computer/tablet	Perform 10 power loss tests to ensure data is not lost if machine would lose power	2	1
4iii - Performance - Precision and Accuracy	application correctly display data from database	ensure proper functionality	test 100 unique entries for accuracy	2	1
4iv - Performance - Reliability and Availability	Multiple users are able to visit pages simultaneously	Allow for multiple users to use application	Test at least 10 users can use the application simultaneously	2	1
4iv - Performance - Reliability and Availability	All tablets/ computers can run the application	Ensures all hardware can support the application	Test that application can run on all current devices	2	1
4v - Performance - Robustness or Fault-Tolerance	database does not break if illegal characters are entered	Ensure database functionality when unique characters are entered	test all unique characters being entered and retrieved from database	2	1, 4iii
4vi - Performance - Capacity	Information in guest portal can be changed when need be	Allow for changes to be made when properties have changes to them	Test 50 changes to property database entries	3	1
5 - Maintainability and Support	Provide assistance while application is first being used	Ensures production introduction is smooth	Provide 1 month of additional services after product launch	5	1
6I - Security - Access	Application can only be accessed on private network	Ensures data and application security	Test that application cannot be accessed off of the server	2	1
6iii – Security – Privacy	Defend login information for staff and properties against SQL injection.	Protect personal data for staff and assets	Test against 5 most common SQL injection methods	2	1
6v - Security - Immunity	application immune to DOS attacks	Allows application to securely run without malicious interruption	Application run on private server without public access	2	1

