Project Acceptance Test Manual

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1 Front End Unit Tests

All front end JavaScript unit tests, using the `jest` framework, should pass.

1.1 Test Procedure

1. Open your CLI to the root of the repository.

2. Run the command `yarn test`.

1.2 Expected Results

- All unit tests pass.

- At least 50% test coverage.

The reason for the relatively low coverage is that most tests for the front end will be integration tests.

2 Back End Unit Tests

All back end Python unit tests, using `pytest`, should pass.

2.1 Test Procedure

1. Open your CLI to the root of the repository.

2. Run the command `yarn test`.

2.2 Expected Results

- All unit tests pass.

- At least 75% test coverage.

3 Accessible Website

The booking part of the website should be accessible to anyone with a modern web browser.

3.1 Test Procedure

1. Navigate to the main website URL in either Google Chrome or Mozilla Firefox.

3.2 Expected Result

The initial page for booking will be shown.

4 Applying for a Booking

Once a user has access to the booking site, they can create a booking application.

4.1 Test Procedure

1. Choose a date.

2. Choose a carpark.

3. Choose a bay and time.

4. Review the booking details before submitting.

5. Submit application.

4.2 Expected Result

- Booking details before submitting should be correct.

- The user should be sent an email confirming the application is submitted.

- The admin team should get an email notifying them of a new application that needs to be actioned.

5 Approving an Application

An admin user should be able to approve an existing application.

5.1 Test Procedure

1. As a normal user, create a booking application.

2. As an admin, navigate to the approvals page.

3. Click approve on the application.

5.2 Expected Result

- User should be automatically emailed to notify them that their application was approved.

- The application in the admin panel should now show as approved.

6 Declining an Application

An admin user should be able to decline an existing application.

6.1 Test Procedure

1. As a normal user, create a booking application.

2. As an admin, navigate to the approvals page.

3. Click decline on the application.

6.2 Expected Result

- User should be automatically emailed to notify them that their application was declined.

- The application in the admin panel should now show as declined.

7 Creating a Car Park and Bays

An admin use should be able to create a new carpark, which will then allow normal users to book for it.

7.1 Test Procedure

1. Login as an admin

2. Navigate to the car parks section of the interface and click add.

3. Enter details about the car park.

4. Add a parking bay to the car park.

7.2 Expected Result

- As a normal user creating a booking, the new carpark and bays should now be options.

- The details entered during the creation of the car park and bays should show to the user.

8 Creating New Admins

An existing admin user should be able to create a new admin account.

8.1 Test Procedure

1. Login as an admin

2. Navigate to the users section of the interface and click add.

3. Enter the account details and confirm.

8.2 Expected Result

It should now be possible to login with the new admin account.

9 PDF Generation

A PDF containing details about the booking should be automatically generated when a booking is approved.

9.1 Test Procedure

1. Apply for a booking.

2. An admin approves the booking.

9.2 Expected Result

- A PDF should be available for download or viewing by the admin upon approval of the booking.

- The client should be sent an email with the same PDF attached.