

# Project Acceptance Test Manual

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## Contents

<b>1</b>	<b>Unit Tests</b>	<b>2</b>
1.1	Front End Unit Tests . . . . .	2
1.2	Back End Unit Tests . . . . .	2
<b>2</b>	<b>Creating Bookings</b>	<b>3</b>
2.1	Accessible Website . . . . .	3
2.2	Applying for a Booking . . . . .	3
2.3	PDF Generation . . . . .	4
<b>3</b>	<b>Admin Functions</b>	<b>5</b>
3.1	Approving an Application . . . . .	5
3.2	Declining an Application . . . . .	5
3.3	Creating a Car Park and Bays . . . . .	6
3.4	Creating New Admins . . . . .	6

# 1 Unit Tests

## 1.1 Front End Unit Tests

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

### Test Procedure

1. Open your CLI to the root of the repository.
2. Run the command `yarn test`.

### 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.

## 1.2 Back End Unit Tests

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

### Test Procedure

1. Open your CLI to the root of the repository.
2. Run the command `yarn test`.

### Expected Results

- All unit tests pass.
- At least 75% test coverage.

## **2 Creating Bookings**

### **2.1 Accessible Website**

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

#### **Test Procedure**

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

#### **Expected Result**

The initial page for booking will be shown.

### **2.2 Applying for a Booking**

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

#### **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.

#### **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.

## **2.3 PDF Generation**

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

### **Test Procedure**

1. Apply for a booking.
2. An admin approves the booking.

### **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.

## **3 Admin Functions**

### **3.1 Approving an Application**

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

#### **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.

#### **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.

### **3.2 Declining an Application**

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

#### **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.

#### **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.

### 3.3 Creating a Car Park and Bays

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

#### 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.

#### 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.

### 3.4 Creating New Admins

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

#### 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.

#### Expected Result

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