**Test Strategy**

The following is a test strategy for the *Online Ticketing System* for The Bucks Centre for the Performing Arts.

**The Product:**

The product is an application which allows consumers to select and buy seats for their desired show of choice.

The application allows a user to sign in or sign up, browse available shows, select a specific show, and select specific seats for the show of which they wish to purchase/reserve. They can then place their booking. Payment services have not been developed for the Minimum Viable Product[[1]](#footnote-1).

If a user’s type is a Venue Manager, they can create new shows.

**Features to test:**

The features which are to be tested consist of the following:

**User Journeys:**

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| Sign Up (new customer) |
| Login (returning customer) |
| Browsing Shows |
| Selecting Seat/Multiple Seats |
| Booking Seats for a Show |
| Creating a New Show (only applicable for user of type: Venue Manager) |

**Functionality testing:**

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| --- |
| Login (includes security testing) |
| Sign Up |
| Creating a New Show (only applicable for user of type: Venue Manager) |
| User type specific functionality |
| Menu Items disabled / enabled |

**Forms of testing required:**

|  |  |
| --- | --- |
| **User Journeys** | **Functionality Testing** |
| Manual Testing (Test Plan + Test Cases) | Unit Testing |

**Tools:**

For Manual testing

* A Test Plan consisting of Test Cases shall be generated for this purpose.

For Unit testing

* Unit testing should be conducted by utilising the tool: **BlueJ[[2]](#footnote-2)**.

**Objectives:**

Testing includes verifying that the application:

* Meets the defined requirements which are in scope for the Minimum Viable Product.
* Stores Data correctly for the session.
* Performs as expected.

1. Referred to as: MVP. [↑](#footnote-ref-1)
2. Integrated Development Environment. [↑](#footnote-ref-2)