# Flight Booking Jade Database Documentation

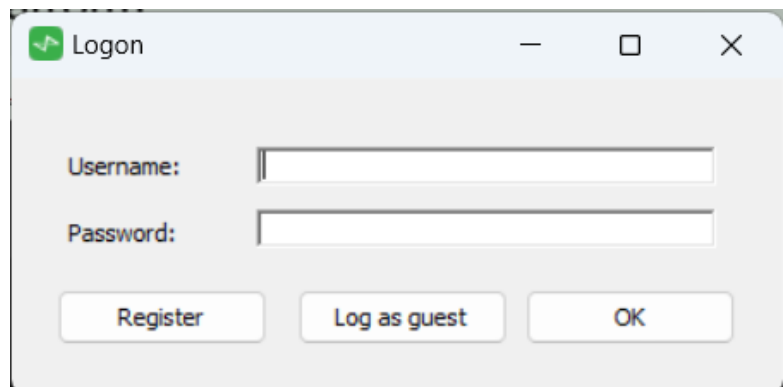## By: Kaue Reis Assis Pereira and Alex Simmons

### Introduction:

We have been tasked with building a sophisticated database with a user interface that allows users to, search flights, add or edit passenger info search then apply for tickets and view then print the tickets. There are different levels of user security that are also required as a manager can create/remove passengers and accept or deny tickets, admins will have all the rights of a manager with additional accessibility features.

There were many challenges that had to be overcome when it came to developing the jade application so this documentation will only include the implemented features of the Jade database.
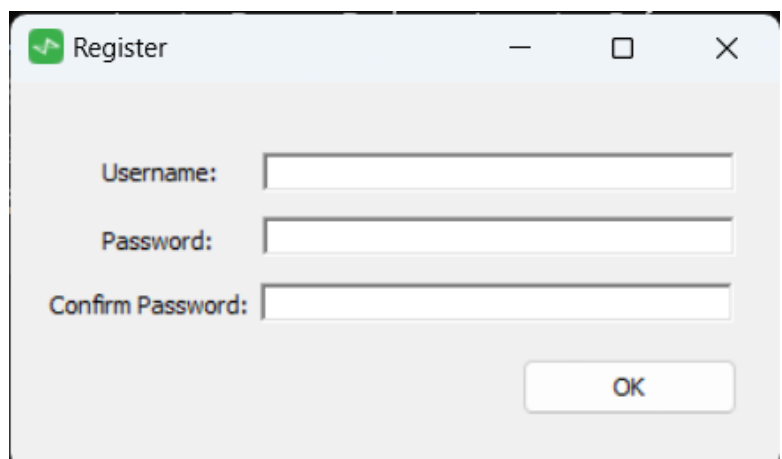
### Login:

When users first start out when they run the Jade application, they are prompted with a logon screen in which they can enter their username and password, if they don't have an account, they can choose to click the register button.

If the user does not want an account, they can select log as guest which will then direct them to the flight list screen.



### Register:

When they user has clicked on the register button, they are then prompted with a screen that shows them to enter a new username and password in which will add them to the database as long as they aren't already on the database.

## Main Menu:

The main menu displays all of the available flights in which users can filter out flights if required using their date or departure/arrival times. Users are limited to what they can access depending on their security access, Admins can access every feature available, Managers can access add or change passenger information, Guest can look at flights and apply for tickets.

Guest, passengers and manager/admin have different views of the main menu:

## Guest



## Logged User



## Manager and Admin
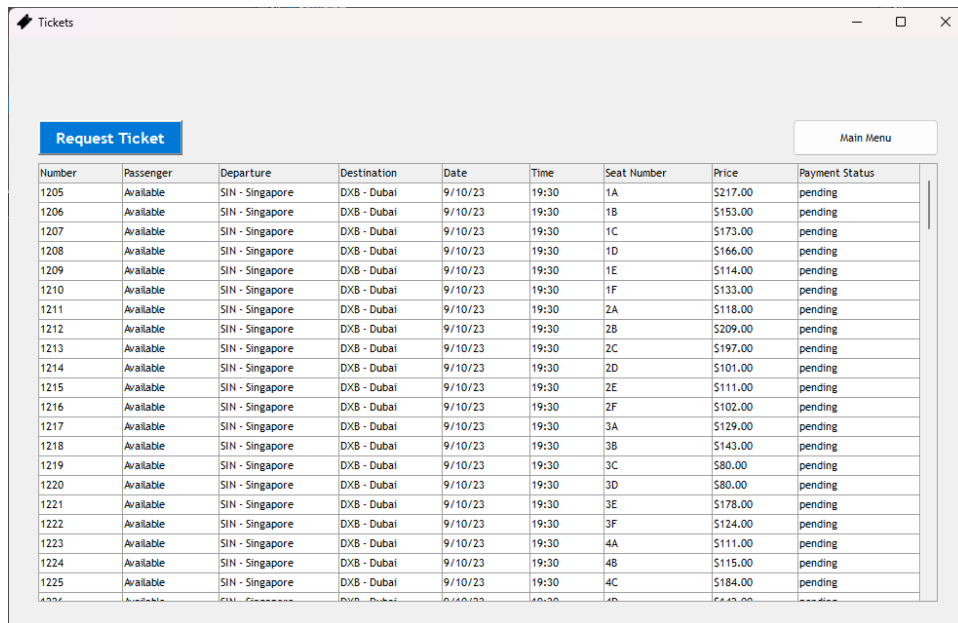
In the flights list present in the main menu, user can filter the flights by date, and departure and arrival cities. Clicking search will search and reset will reset to showing all the flights and clear the search fields. Logged users can select a flight and click View Flight Tickets to access the tickets of that particular flight.
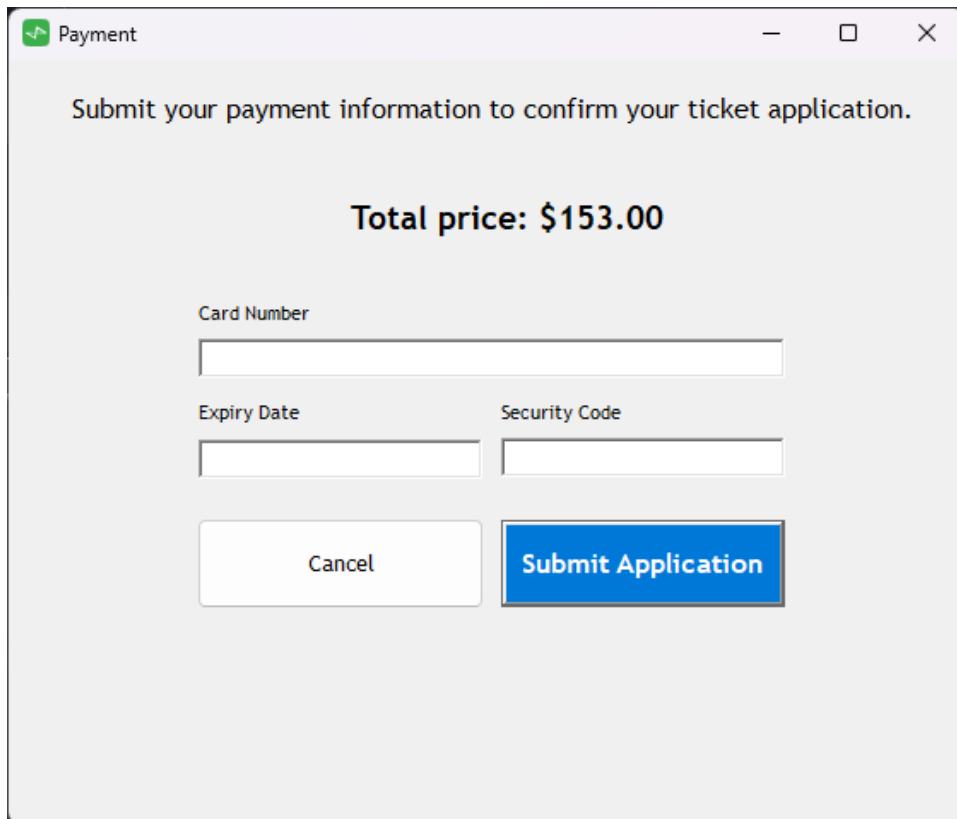
## Tickets



In the tickets page, logged passengers can access all tickets from a particular flight, as well as select and apply for a ticket and view their current tickets. Manager and admin can access tickets requested by passengers and either accept or decline the request.

## Apply for Ticket

When passengers click the "Request Ticket" button at the tickets list, it takes him to the payment form, where the user can fill the card number, expiry date and security code fields and submit the application. After that, the ticket will be listed to the manager and admin as requested and pending.

Clicking in Tickets > My Tickets in the main menu, logged users can access all tickets they have purchased or requested.



And selecting one these tickets an option called view ticket shows up, which prints the ticket to the user.

Manager and Admin can see the tickets requests on the tickets page as well.
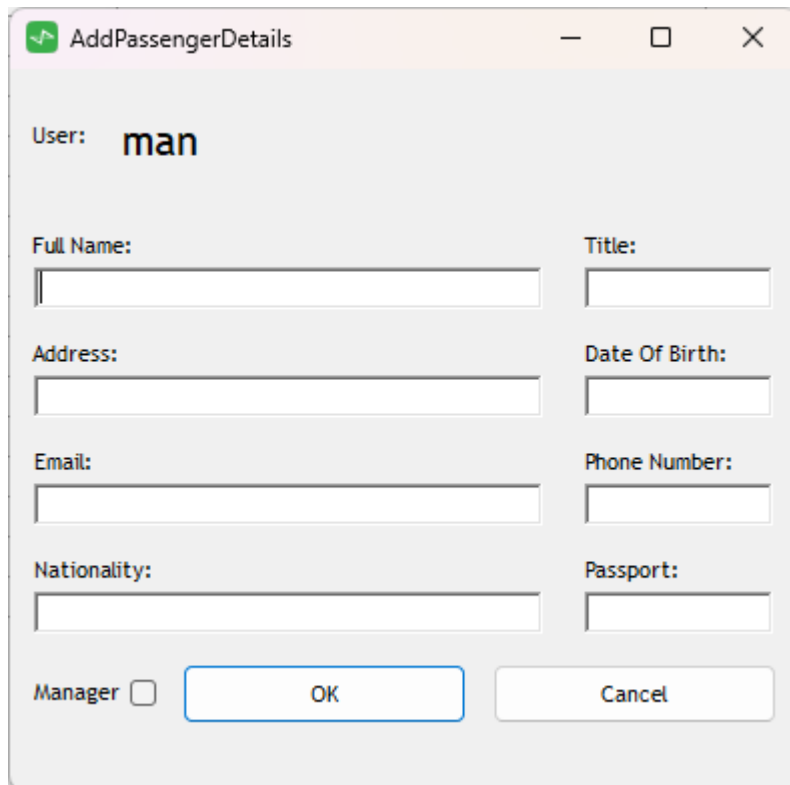


| Number | Passenger | Departure | Destination | Date | Time | Seat Number | Price | Payment Status |
|---|---|---|---|---|---|---|---|---|
| 925 | (Pending Acceptance) User Full Name | LAX - Los Angeles | JFK - New York | 1/10/23 | 08:00 | 1A | $178.00 | Pending acceptance |
| 1185 | (Pending Acceptance) User Full Name | DUB - Dublin | SIN - Singapore | 8/10/23 | 17:45 | 1A | $149.00 | pending |

## Passengers

The manager and admin have access to the menu option "Passenger", which have two sub-options: Add and Edit.

## Add Passenger

In add, a form to create a new passenger is displayed. The first four fields are required, and clicking OK will create a new user.

## Edit Passenger

The Edit options takes to a list of passengers, where the admin can select a passenger and either delete or edit the passenger. Clicking delete will delete the passenger and edit will open a form to edit the passenger.

## Passengers

Edit    **Delete**

| ID | Full Name | Email | Nationality | Passport |
|----|-----------|-------|-------------|----------|
| 6 | Man Ager | manager@travelstore.com | New Zealand | 923JH938 |
| 7 | John Full Name Johnson | john@gmail.com | New Zealand | 92FI2000 |
| 8 | User Full Name | user@gmail.com | New Zealand | 87GHIJ00 |
| 9 | Mary Lee | marylee@gmail.com | New Zealand | 564F1000 |
| 10 | Magoo Full Name | mrmagoo@gmail.com | New Zealand | 76FJ2000 |

## Edit Passenger Details

User:    **man**

Full Name:

John Full Name Johnson

Title:

Mr

Address:

Invercargill 9812

Date Of Birth:

06/07/1995

Email:

john@gmail.com
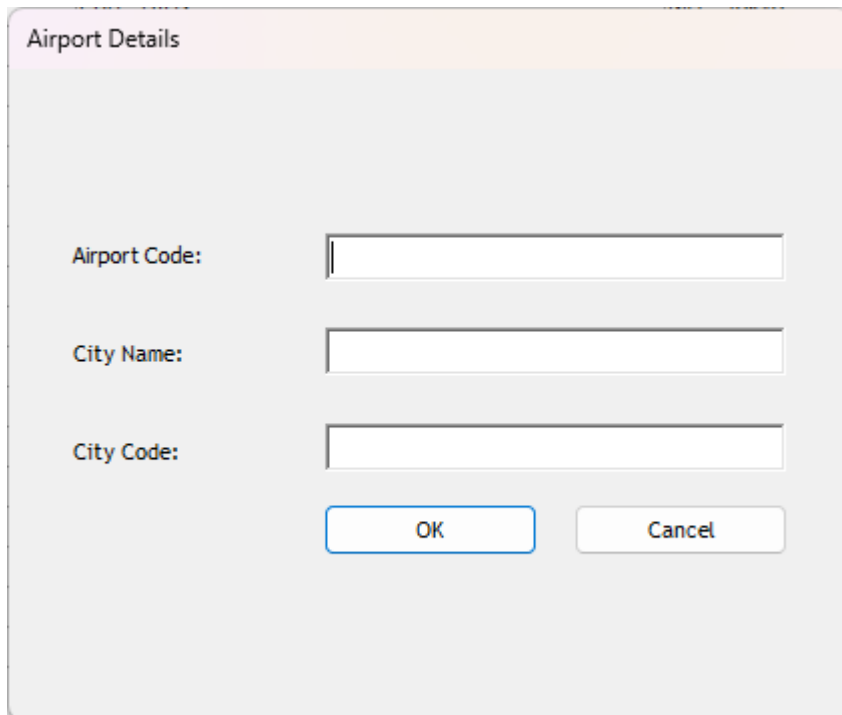
Phone Number:

0279998491

Nationality:

New Zealand

Passport:

92FI2000

OK    Cancel

## Airport



Airport Details

Airport Code:

City Name:

City Code:

OK        Cancel

Manager and Admin can add airports by clicking on the Airport option in the main menu. It displays a simple form to input airport code, city name and city code.