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Airline ticket system  Vanier College

Users’ MAnual

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Users’ Manual

## Keep in mind that the users’ manual is important to be followed and read carefully and thoroughly.

Upon downloading/installing the project make sure to have the packages and the extensions necessary.

1. Download the SQLite package by following these instructions:
   1. Right-click on the Solution in the Solution Explorer.
   2. Go to Manage NuGet Packages For Solution.
   3. Click on Browse on top and search for System.Data.SQLite.
   4. Click on the project on the right and install the 1.0.119 version.
   5. After the installation, Restart the application and You should be good to go.
2. Download the SQLite extension to view the data (Optional):
   1. On the top bar, go to Extensions > Manage Extensions.
   2. Search for SQLite and SQL Server Compact Toolbox and download it.
   3. It will ask you to close the application.
   4. Close it and it will download the extension.
   5. Now you should have it in the tools, it is called (SQLite/SQL Server Compact Toolbox)
   6. Click on it and it will show you a database toolbox.
   7. Right-click on Data Connections > Add SQLite connection.
   8. Left-click on Create…
   9. Go to AirlineTicketSystemGui > Files > AirlineTicketsSystemDatabase.db
   10. You Should See the database file there, click save.
   11. Test Connection, if the connection is successful close the tab and you should have it on the left!

Now you can turn on the project.

Passenger Guide

# Overview

As a passenger, you can use the airline ticket system to:

* Buy a ticket for a flight.
* View ticket details.
* Refund the ticket.
* Print ticket information.

## Account Creation

If you are using the system for the first time:

* Go to the login page and click **Sign Up**.
* Fill in the required information:
  + Full Name
  + Email
  + Address
  + Contact number
  + Password

After successfully signing up, a pop-up will display your **User ID**. **Save this ID somewhere safe**, as it is essential for logging in or retrieving account details.

If you lose your User ID, contact a staff member to retrieve it.

## How to Buy a Ticket

Log in to your account using your **User ID** and **Password**.

Navigate to the **Flight** section.

Choose a flight from the search results and click **Buy**:

* Choose the seat type
* Enter Credit Card information
* Confirm the payment details and click **Buy**.
* A confirmation will appear, and the ticket will be added to your account.

## How to View Ticket Details

Navigate to the **Ticket** section in your dashboard (Passenger page).

Select a ticket to view:

* Ticket id
* Flight details
* Passenger id
* Seat Type

## How to Refund a Ticket

* Go to the **Ticket** section.
* Select the ticket you wish to refund.
* Click **Refund Ticket** and confirm your choice.
* A confirmation will appear, and the refunded amount will be processed.

## How to Print Ticket Information

* Open the ticket details from the **Ticket** section.
* Click **Print Ticket** to generate a printable format in text file.
* Choose a place to save the file and click save.

Staff Guide

# Overview

As a staff member, you can:

* View all flights and their complete information.
* View all passengers and their complete information.

## Account Setup

Your **Staff ID** and **Password** will be provided by an administrator.

Use these credentials to log in to the system.

## Viewing Flights

Navigate to the **Flights** section from the staff dashboard.

View a complete list of flights, including:

* Flight ID
* First class seats available
* Business class seats available
* Coach class seats available
* Destination
* Departure date
* Departure time

Use the search bar or filters to find specific flights.

## Viewing Passengers

Navigate to the **Passengers** section.

View a list of all passengers, including:

* Passenger ID
* Name
* Email
* Password
* Contact number
* Address

Click on a passenger to see more details.

Admin Guide

# Overview

As an administrator, you can:

* Manage staff accounts.
* Manage flights.
* View complete details for staff and flights.
* Filter and order data by specific attributes.

## Managing Staff Users

### Creating Staff Users

1. Go to the **Staff Management** section.
2. Click **Add New Staff**.
3. Fill in the following details:
   * Name
   * Contact information
   * Role
4. Generate a **Staff ID** and set a temporary password for the user.
5. Save changes, and the new staff member will appear in the list.

### Editing Staff Users

1. In the **Staff Management** section, search for the staff member by name or ID.
2. Click **Edit** next to their details.
3. Update the required fields and save changes.

### Removing Staff Users

1. Locate the staff user in the list.
2. Click **Delete** and confirm the action.

### Filtering Staff Users by ID

1. Use the search bar in the **Staff Management** section.
2. Enter the Staff ID to view specific details.

## Managing Flights

### Creating Flights

1. Navigate to the **Flight Management** section.
2. Click **Add New Flight**.
3. Fill in flight details:
   * Flight ID
   * Departure and destination locations
   * Schedule
   * Total seats
4. Save the flight, and it will be added to the system.

### Editing Flights

1. Locate the flight in the list by ID or destination.
2. Click **Edit** and update the necessary fields.
3. Save changes to apply them.

### Removing Flights

1. Find the flight to be removed using the search or filter options.
2. Click **Delete** next to the flight details and confirm the action.

### Filtering Flights by ID

1. Enter the Flight ID in the search bar within the **Flight Management** section.
2. View the specific flight details.

### Ordering Flights

1. Use the sorting options in the **Flight Management** section to order flights by:
   * Flight ID
   * Destination