**JMBtravels.ca**

Team:

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For our project we will be designing and building a web app that allows users to create an account, login and to select a vacation destination and be given a choice of flights and accommodations. It will have calendars so the user can select the departure and arrival dates for their trip. A confirmation system where they can receive an email confirming their reservation.

There will be an admin account, where administrators can see all the users in the system, see all the bookings and; if needed; to update or edit them. The admin account will be able to add or remove holiday packages to the site, block out dates on the calendar and to change pricing.

We will also be designing a database that will store the users(including admin accounts), the bookings, the destinations and the holiday packages.

Technologies to be used:

* Java Spring Boot
* Thymeleaf templates
* Bootstrap CSS
* APIs
* JQuery
* AJAX
* JavaScript

Features:

* Calendar
* Flight info
* Weather info for destinations
* Wizard to help in booking or setting an itinerary
* Sending confirmation and itinerary via email

Challenging Items:

* Wizard
* Payment
* Python for APIs

URLs:

/index

/login

~~/aboutus~~

/flights

/hotels

/cars

/booking (shopping cart)

/packages. ??

/admin

~~/admin/users~~

~~/admin/deals~~

Database:

tbl\_users

tbl\_admins

tbl\_orders

tbl\_deals

**Database Design**

Diagram

Description automatically generated

Add table :

~~Financials. Link to reservations. Track number of purchases and amounts.~~

~~Activities: Have a list of activities that can be linked to destinations. Tours, Sports~~

Car Rentals. Table for Cars and one for car\_Reservation

Hotels: Table for Hotels and one for hotel\_reservation

**Web Page Mock-ups**

Graphical user interface

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Questions:**

Roles : DB tables, roles and implementing that. Everyone is a user, but then there are roles.

Small company would use that structure vs a large company would have a table alone for admin.