

Project Documentation

Below is provided an overview of each file in the project and its functionality. The project is a travel planning website called “Horizons”, allowing users to select travel destinations and manage their travel plans.

File Structure Overview:

- **index.html**: The homepage of the website with login and sign-up buttons.
- **index.css**: Stylesheet for the index page.
- **signup.html**: Sign-up page. All user info is stored in a database.
- **login.html**: Login page where users can enter their credentials to access their accounts.
- **login.css**: Stylesheet for the login and sign-up pages.
- **about.html**: Contains information about the “Horizons” company.
- **contact.html**: Contact page.
- **dbConfig.js**: Configuration file for the database connection.
- **index_background.jpg**: Background image for the website.
- **login.js**: Server-side JavaScript file handling login and sign-up.
- **main.html**: Main page where users can choose their travel destinations.
- **main.css**: Stylesheet for the main page.
- **profile.css**: Stylesheet for the profile page.
- **profile.html**: Profile page where users can edit their profile information.
- **server.js**: Main server file handling routing, session management, and database operations.
- **summary.css**: Stylesheet for the wishlist page.
- **summary.html**: Wishlist page displaying the user’s chosen travel destinations.

Detailed File Descriptions

1. **about.html:**

Provides details about the “Horizons” project, including the mission, story, and values. It includes navigation links to the home, profile, about, and contact pages, as well as a wishlist link to the summary page.

2. **contact.html:**

Contains a form for users to contact the company. Each message is stored in a database table.

3. **dbConfig.js:**

Holds the database configuration settings for connecting to the SQL database used by the project.

5. **index.html:**

The homepage of the website, which includes welcome text and buttons for login and sign-up. Redirects users to login.html or signup.html when the respective buttons are clicked.

6. **login.html:**

Contains the login form for users to enter their credentials. It has fields for username and password, and handles error messages for invalid login attempts.

7. **login.js:**

Handles server-side login functionality, including verifying user credentials and managing sessions. Redirects to main.html upon successful login.

8. **main.html:**

Main page where users can choose from various travel destinations. The page is divided into regions such as Europe, Middle-East, Asia, and America,

with buttons for each destination. Selected destinations can be added to a wishlist.

9. profile.html:

Profile page allowing users to edit their profile information. Includes a form for updating name, email, username, and password.

10. server.js:

Main server file that handles various routes, including login, sign-up, profile updates, and fetching user choices for the wishlist page. It connects to the database and manages user sessions.

11. signup.html:

Contains the sign-up form for new users to create accounts. Fields include name, email, username, and password .

12. summary.html:

Displays the user's selected travel destinations. Includes functionality to fetch and display wishlist, and remove destinations from the wishlist. All the data is saved in the table Choices for each user, such that after login

Improvements to the Website

1. **Enhanced Travel Planning:** Once destinations are selected, provide more options to further plan the travel, such as booking flights, hotels, and activities.
2. **Interactive Map:** Integrate an interactive map to visualize selected destinations.
3. **User Reviews:** Allow users to leave reviews and ratings for destinations.
4. **Customizable Itineraries:** Enable users to create and customize travel itineraries based on selected destinations.
5. **Social Sharing:** Add social sharing features to share travel plans on social media platforms.