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# EasyTravel

## PyFive



# About the Project

**This project is a complete end-to-end web application, which includes front-end, back-end, and database.**

## Domain/Theme

**This web app is based on transportation domain.**

## Why this Project?

**People are using different applications for various modes of transport and features. Not everything is covered under one single web-application.**

## Solution

**To develop one single web-application covering all possible features related to transportation.**



## Scope of the Project

1. Project is limited to creating one complete web-application with five modules (Login, Searching and Booking a Ticket, Mobile Number Verification, My Bookings, Logout)
2. Any other value added features, will be developed in future and not covered in this project.

## Technologies used for this Project

Front-end: HTML, CSS, Javascript

Back-end: Flask framework (python) with database connection through MySQL





# The Scope in Detail

1. This project works only for one user where the details (username, password) are hard coded.
2. (State) While travelling within the states, the source is fixed as Hyderabad only and the destination can be any other state.
3. (Local) While travelling locally (Hyderabad), the pickup can be any place but the drop is fixed as Secunderabad only. The above two points are fixed as this is just a prototype and due to lack of time, we have restricted it only to the above mentioned places.
4. When the user selects the pickup/source and drop/destination, the list of possible transports will be displayed with their costs which are hardcoded.
5. To ensure that the booking belongs to the particular individual, we generate a mobile number verification message and send it to the user for confirmation to his/her mobile number.
6. The payment details in my bookings module have been hardcoded because currently this project is in local server and not been connected to online payment methods.
7. We plan on adding International facilities as well in the future.



# The Technologies in Detail

1. **Front-end:** HTML, CSS is used to style the web pages whereas Javascript is used connect the web pages with the backend APIs.
2. **Backend:** The language used for backend development is Python and the Flask framework to create APIs and connect to the database.
3. **Database:** MySQL is the database which is used for storing and retrieving the data.



# Key Distinct Features in our Project

1. All in one web application - It covers all possible modes of transport in one single web application, without switching to other other applications.
2. Mobile number verification message before the payment
3. Anyone can contribute and learn through our project using our Open Source Contribution





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# Thank You!