

RAILWAY ENQUIRY SYSTEM

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Problem statement :



Indian Railways are the backbone to the transportation system. Approximately 30 million people travel daily in India using railways. It continues to grow and the solution proposed should have the flexibility to scale proportionality.

Service quality is the most important factor for the passenger's satisfaction. India has biggest railway network across the country and in the whole world. The purpose of this project is to enhance the service quality of Railway Enquiry System and to attain the passenger's satisfaction.

In this project we provide users with the details of a train and various functions related to it.

Users :



Passengers : They can enquire about the trains available on the basis of source and destination, Spot the trains and railway stations , PNR status, Locating the live station of the train, User Query Section(allows people to clarify their doubts), Get directions from your location to your nearest railway station, Chatbot

System : This is where the user can access the application

Solution :



The Railway Enquiry System facilitates the passengers to enquire about the trains available on the basis of source and destination, Spot the trains and railway stations , PNR status, Locating the live station of the train, User Query Section(allows people to clarify their doubts), Get directions from your location to your nearest railway station, Chatbot.

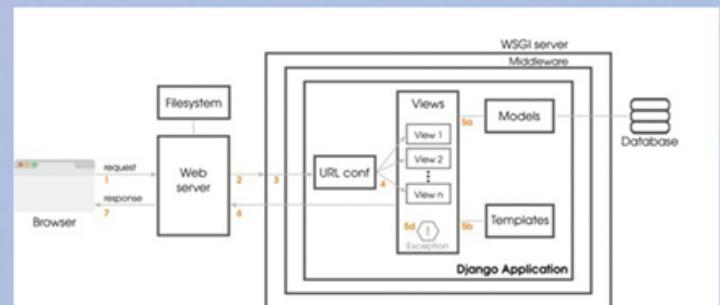
The aim of this project is to design and develop a web application for the users incorporated with these features.

Approach :



Tech Stack	-	Django
Framework	-	HTML, CSS, Bootstrap, JS
Frontend	-	Python, SQLite3-DB

Architecture



Results and future scope:



In this project, we have addressed the various railway enquiry features such as the trains available on the basis of source and destination, Spot the trains and railway stations , PNR status, Locating the live station of the train, User Query Section, Get directions from your location to your nearest railway station, Chatbot. We have developed an online webapp to include all these features mentioned above. This has been done by using Django framework because of its rapid development and scalability. In future, we would like to incorporate more features like Train tickets booking, probability of confirmation booking the tickets using ML, uploading railway blogs. Also, this web application can be created into a mobile application using the Flutter framework and Firebase as the database.