Project Design Phase-I
Solution Architecture:

Date	30 September 2022
Project Name	Smart Railway Solutions
Maximum Marks	4 Marks

Solution Architecture:

The customer interacts with the system through the front-end by making requests which are processed through the PHP, which is the middle tier. The system is executed on a central server and all clients communicate with it. A client handles customer interface while server handles function and operations of relevant components. All data is resident on the system server, which has the ability to interact with several clients at the same time by running several processes concurrently. Some of the processing undertaken includes verification, validations, manipulations, request processing.

Login: After registration, the customer goes through the process of logging in else, access would be denied. The user logs in with a username and password. The system will verify the username and password to check its validity before the customer is granted entry upon the validity of the information provided, else the user is denied access to the system.

Booking: the system offers a seat reservation system for the user where the user can choose the particular section or seat where he wants to sit after logging in.

Payment for booking: in order to preserve reservation after booking, the customer pays.

Ticket print: the customer prints the ticket after payment.

Register: If a customer is new, he is mandated to register. If he wants to gain access to the system. Thecustomer supplies some basic information in the registration page. This is mainly to know the number of customers using the system.

Solution Architecture Diagram: