

SMART SOLUTIONS FOR RAILWAYS

ABSTRACT

The Railway Ticket generation utilising android is essentially derived from PC reservation framework and moves up to android based ticket generation utilising QR Code. Railway Ticket generation System contains the insights concerning train plans and its charge duties, traveller reservations and ticket records. A Railway stock contains all train delicacies with QR Code Information. The QR Based ticket generation framework has its data set midway found which is examined through an Application Programming Interface (API). With the design of Railway the executives framework the passenger got the opportunity to get a ticket without standing in a queue. For travelling in the unreserved section, the passengers have to stand in a queue to get the ticket. In our framework, the traveller can create the open ticket through their android mobile itself. The traveller can get the train delicacies by checking the QR code of a train to get the ticket. The traveller can get a ticket by entering the number of seats and installing delicacies. It has turned into an issue of free exchange for both the train and the voyager. The Railway reservation system involves three main actors: the database, online operator and a database scheduler. The database scheduler updates the database. One of the core functions of the inventory management of railway reservation systems is inventory control. Inventory control steers how many seats are available for the booking in the unreserved section. A Web page is designed for the public where they can book tickets by seeing the available seats. After booking the train, the person will get a QR code which has to be shown to the Ticket Collector while boarding the train. The ticket collectors can scan the QR code to identify the personal details. A GPS module is present in the train to track it. The live status of the journey is updated in the Web app continuously. All the booking details of the customers will be stored in the database with a unique ID and they can be retrieved back when the Ticket Collector scans the QR Code.