

COEN-6312- MODEL-DRIVEN SOFTWARE ENGINEERING

PROJECT DELIVERABLE -1

Group Name: Techno_Stars.

Mission and Vision of the team: To develop the working model of airline reservation system with the advanced model concepts learned in COEN 6312 course.

Group Members:

1. Sravan Kumar Thumati

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Student-id: 40070088

- Bachelors in Technology (Computer Science and Engineering) at K L University Vijayawada.
- Proficient in SQL, Proficient in HTML, Intermediate in Java,. Worked as Project Engineer at Wipro Technologies for 2.7 years on BPM Technologies.

2. Prashanth reddy Somireddy

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- Bachelors in Technology (Electronic and Communication Engineering) at JNTU University Hyderabad.
- Intermediate in Java, SQL, Python, Worked as an intern in Knava technologies

3. Nayana Raj Cheluvvaraju

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- Bachelors in Technology (Instrumentation Technology) at GSSS engineering and Technology.
- Beginner in Java,python.Intermediate in SQL. Worked as Software Engineer at Aris global Software Pvt. Ltd.

4. SRI AKHIL VARMA ALLURI

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- Bachelors in Technology (Electronic and Communication Engineering) at S.R.K.R Engineering College Bhimavaram.

- Intermediate in C#, A.S.P.NET, SQL. Worked as System Engineer at TATA CONSULTANCY SERVICES.

5. Santosh Reddy Chelluri

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- Bachelors in Technology (Computer Science and Engineering) at JNTU Hyderabad.
- Intermediate in Java, SQL, Intermediate in Python. Worked as intern in Infosys Ltd.

Project Description:

The airline reservation system allows the customers and travel agencies to reserve the flight tickets. The customers can directly access the system and make their reservation or they can reserve through the travel agencies. For reservation the customer first verifies the travel route and the date of their journey and the system provides the customer with all the flights that are available according to the customer preferences and he can select the seat in the flight and make the reservation with proper authentication.

User should be able to cancel the reserved tickets by using proper authentication and providing details. The cancellation should be made before the stipulated time provided by the airlines so that they can get the refund based on the airlines cancellation policy. Sometimes user may not be able to cancel the booked tickets if the airlines specifies it before booking.

A ticket is good on the airline on which it is purchased. Payments will be for the specific flight and only for one person, if multiple people are travelling their reservation number is linked. Payments can be made in different ways such as Credit card, debit card, cash mode and with reward points. If reservation is made by one person for multiple tickets it can be paid by one credit card. If its booked with reward points, points cannot be migrated between airlines.

Users should be able to modify the reservation data like postponing the date of journey or changing from economy to business class etc., with proper authentication. Users without any authentication should be able to check the flight details like, Price of the ticket, cancellation charges, number of halts before the destination, if the flight is done with take off, user should be able to track the expected landing time or where the flight is now etc.,