

AIRLINE RESERVATION SYSTEM

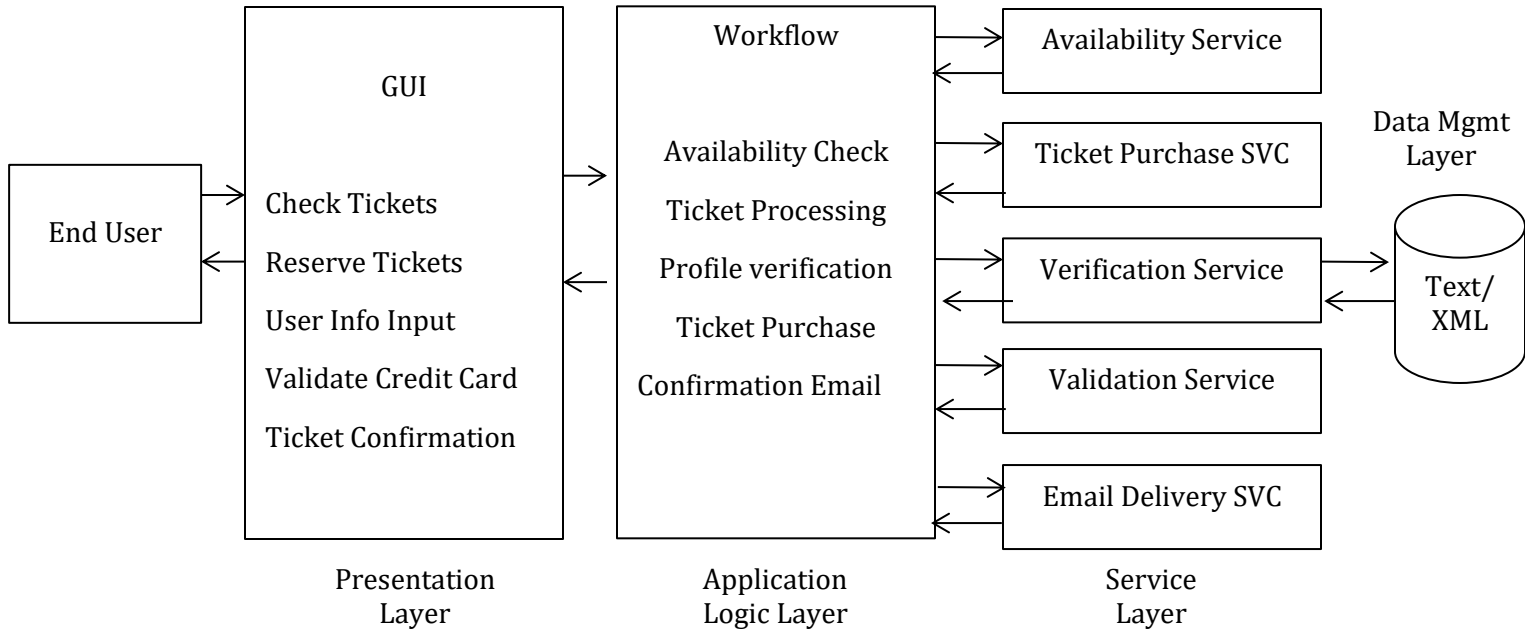
Description

Airline ticket reservation system is a complete service-oriented computing system that let users to

1. Check the ticket availability between two destinations
2. Reserve a seat
3. Input user information
4. Validate the user's credit card information
5. Ticket Confirmation through email

The system follows a 4-tier approach – Presentation, Application Logic, Service and Data Management Layer. The Application Logic Layer will be developed as a part of assignment 5. And the data management generally persist the data in a text/xml file and does not use any database.

Architecture Diagram



This page is deployed at: NA

This project is developed by: Prashanna Raghavan

Provider name	Service name, with input and output types	TryIt link	Service description	Planned resources need to implement the service
Prashanna Raghavan	Availability Services Input: Source-Destination string Output: Boolean Available/Not Available	NA	Service to check the availability of tickets	The number of purchasing tickets will be compared with the available tickets for a source-destination pair
Prashanna Raghavan	Ticket Purchase Service Input: String Output: Boolean Booked/Not Booked	NA	Service to purchase the tickets	Check all the necessary information and purchases the ticket and updates the records accordingly
Prashanna Raghavan	Verification Service Input: String Output: Boolean Verified/Unverified	NA	Service to verify user information	Verifies the user and email information
Prashanna Raghavan	Validation Service Input: String Output: Boolean Valid/Invalid	NA	Service to validate credit card information	Validates the format of the credit card information.
Prashanna Raghavan	Email Delivery Service Input: String Output: Boolean Sent/Failed	NA	Service to trigger email notification upon confirmation.	Triggers an email notification upon successful booking.