Team: Akıllı Arayüzler (Group 9)

Orçun Özdemir

İsmet Erdem Demir

Emir Atışay

Sky is the Limit Co skysa uç F1Y 4ever

Description:

In this Project, we are going to design a web-based application for flight ticket-supply company like skyscanner to customers. In our company, we will be mediator between customer and certain airway companies. We will track both the customers and airway companies with ID numbers. In order to find the appropriate ticket and purchase it, customers have to register to the system by their e-mail addresses, which will be uniquely define for each customer, passwords, debit card information. In addition to that, airways also should have registered to the system to match customers with tickets according to their interest. For instances, a costumer may order the tickets for the departure location, arrival location, cheapest, fastest, minimum or maximum number of stop. Airway company, should have indicates the time interval with respect to price, airplane type, flight date. When the customer buys more than 10 ticket, we will provide the following purchase with %50 discount.

Overview:

In the system, there are two types of users: costumers and airway companies.

VIP costumers can be informed about the latest discounts and can have special account for them to pay. Silver costumers can also have information about the discounts, but they cannot have special account. Bronze costumers can only pay with debit card.

A costumer can upgrade to VIP with 50$ and to Silver with 30$. Ordinary costumer is specified as Bronze in the system.

Flights are classified with different parameters: cost, lasting, number of stops and seat type. Costumers can specify his/her priority with respect to these parameters to have optimum flight.

In addition to those, flight types are classified whether it is domestic or international. Since, international flights can be to neighbor cities, costumer will be able to find flight to a country, regardless city.

Our company does not responsible for the determining process of prices. Flight prices are predetermined by the responsible airway company.

Companies can have special discount for specific flights, which can directly have transmitted to VIP and Silver costumers. On the other hand, our company can have its own discounts for the frequent users. To illustrate, a costumer that uses our company to buy tickets 5 times a month can have %15 discount for the following week or customer buys more than 10 ticket, we will provide the following purchase with %50 discount.

Costumers that are not able to pat the prices regardless of their user type will be banned and judicial process will be initiated 😊

Functionality:

Costumers:

Customers should register with their unique IDs and corresponding passwords.

Customers can show their personal information; bank account, user type, first name, last name, phone number, e-mail address, purchase history and in addition to that, can update the allowed parts.

Costumers access to user type enhancement page to lower or rise their user type.

Airway Company:

Airway Companies can authenticate themselves as the costumers with unique IDs and corresponding passwords.

Companies are allowed to enter a new flight information via web-page.

Companies can have entered discounts as they want.

Companies can mark a flight as full or available.

Companies are able to generate bill for costumers. Billing procedure for each costumer depends whether costumer has special purchase account or debit card.

System:

Airway companies, countries and cities should be created manually.

The system should automatically find the cheapest and minimum stop with respect to the flight properties.

The system should be able to find the shortest path regarding to beginning and ending time specified by the company.

The system should automatically output to the optimum flight to costumer by the costumer’s priority.

The system should assign unique IDs for each costumer (number starting 1), company (number starting with 2) and flight (number starting with 0).