

Laboratory work №1

Intranet system of airline is a software which is used for reservations and schedule information, passengers, registration and other necessary additional information for users.

The main purpose is creating the flexible, modern reservations and making comfortable for consumers to buy tickets anywhere and at any time.

➤ Registration

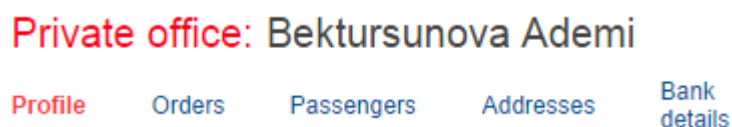
You can join as new user to Database, pushing the button Sign up and filling important lines like Name, Surname, email address, phone number, login and password.

OR you can register as usual user and write your login and password.

➤ Authorization

The process of checking the correctness of your login and password. The system checks whether there is such login with such password in database. If there is some error, the system asks you to check and try again.

➤ Entering to Private office



After authorization, the system gives you an access to the private data inside of your office to work with it.

- Profile part shows the most important information about you, like Name, Surname, email, phone etc.
- Order's part shows the list of your reservations and reservation search, which consists of dates, flight number and class, **from** where **to** where, date of reservation etc.


It is very useful and comfortable to choose by yourself the date and buy ticket at home using only your private information and pay for flight by card.

➤ Passengers

You can store information about passengers for whom you want to book or buy tickets.

Passengers can be added here automatically, if you make a reservation in Internet booking office.

Or you can add passengers manually just clicking “+”.

<input checked="" type="checkbox"/>	LAST NAME, FIRST NAME	BIRTH DATE	COUNTRY	DOCUMENT	NUMBER	EXPIRY DATE	
<input checked="" type="checkbox"/>	Bektursunova Ademi	11.03.1995	KZ	Document code	Document number		
<div><input type="button" value="+ Add"/> <input type="button" value="- Remove"/></div>							

- Address part contains name of city, your home address to deliver your order by post
- Bank details part presents all vital information about your card (visa, Master Card), number of card, name of bank, **since** which **to** which date to buy tickets using card via net.
- Database stores all information about users, time-table and other related data.
- Reservation checks whether there is a free place in airplane, shows you the cost of ticket. You can buy ticket during several hours after reservation, because there are many other people who are going to fly. The cost of ticket depends on the buying date.

Three-layered architecture:

1. Presentation:
 - ✓ Displays the interface of system or front end programming using HTML and CSS files, like interface of authorization part, schedule etc. It contains all vital information (items) which is seen to users and helps to work easier and faster;
 - ✓ Advertisement;
 - ✓ Authorization interface.
2. Business logic:
 - ✓ Process of checking, loading information, accessing to data. For example, while authorization this layer checks whether your login and password are stored in database and are they correct, then gives access to your private office where you can reserve or buy tickets;
 - ✓ Payment process;
 - ✓ Sorts information for reservation search;
 - ✓ Sends information to email about any changes or receiving payment from your card;
3. Data access:
 - ✓ Inserts data about new users;
 - ✓ Stores login and password of all users;
 - ✓ Stores information about prices, flights, time-table etc.
 - ✓ Modifies the database (tables).

Two-layered architecture:

1. Presentation - client
 - ✓ Displays interface using HTML,CSS files, like authorization part;
 - ✓ Advertisement;
 - ✓ Authorization interface.

2. Business logic and Data access - server

- ✓ Modify database (insert, delete, change some information);
- ✓ Insert new users with their data;
- ✓ Check whether login is stored in database (tables) and the correctness of authorization;
- ✓ Sort information, like reservation search;
- ✓ Payment process (checks the correctness of the information about payment by card);
- ✓ Send information through email about any changes.

Single layered architecture, where database and all functions are stored in one layer.

Presentation, business logic and database

- ✓ displays web pages of HTML and CSS files, shows advertisement;
- ✓ checks the existence and correctness of login and password;
- ✓ adds new users;
- ✓ modifies information of users (insert, delete);
- ✓ sorts information;
- ✓ sends information about any changes and payment process via email.