МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ  
РОССИЙСКОЙ ФЕДЕРАЦИИ

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**Отчет по лабораторной работе №2**

Дисциплина: «Методы проектирования и поддержки требований к программному обеспечению»

Тема: **«Specification of system requirements. Activity, Sequnce, State»**

Тип предприятия: **Air Tickets chain.**

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Objective: To study the basic features for creating and editing use case diagrams

**Tasks**

1. Write script for each use case using template: use case name, actors, goal, short description, basic script, exceptions.

2. Complete scripts with examples of documents to be created by your information system. For example, Bill in café, Internet invoice, Order in the online store, Medical services bill, etc.

**Task 1**

*Use Case 1*

**Use Case:** Log in

**Actors:** Airline Server / Passanger

**Goal:** Create and Login to account

**Short description:** Passenger fills out the registration form to create an account in the system and login form to sign in an account.

**Scenario:**

1. Passenger goes on the website of airline ticket booking
2. Passenger click button “Registration”
3. Passenger fills out form

Input form:

First name: \_\_\_\_\_\_

Last name: \_\_\_\_\_\_

Email: \_\_\_\_\_\_\_\_\_\_

Password: \_\_\_\_\_\_\_

1. Passenger click button “Create account”
2. Passenger fills out form

Input form:

Email: \_\_\_\_\_\_\_

Password: \_\_\_\_

1. Passenger click button “Log in”

*Use Case 2*

**Use Case:** Ticket booking

**Actors:** Airline Server / Passanger

**Goal:**  View and booking available tickets

**Short description:** Passenger booking tickets

**Scenario:**

1. Passenger goes on the website of airline ticket booking
2. Passenger views list of tickets

View: Tickets are listed one after another

Characteristics: tickets features shown in the tickets list. (starting point, place of arrival, price, seat, departure date )

Filters: Passenger can filter tickets by starting point, place of arrival, price, seat , departure date by decreasing or increase

Search: Passenger can search tickets by starting point, place of arrival and departure date.

*Use Case 2.1*

**Use Case:** Filling data

**Actors:** Passenger

**Goal:** Filling out passport data

**Short description:** Passenger fills in passport data

**Scenario:**

1. Passenger chose a ticket
2. Passenger click “booking ticket”
3. Passenger fills out form

Input form:

passport number and series: \_\_\_\_\_\_\_

1. Passenger click “next”

*Use Case 2.2*

**Use Case:** Payment

**Actors:** Bank Payment portal / Passenger

**Goal:** Booking a ticket

**Short description:** To reserve the selected ticket

**Scenario:**

1. Passenger goes to the payment page
2. Product add to shopping cart
3. Customer can continues add product in shopping cart(point 3-4) or go to payment page
4. Passenger fills out a form

Input form:

bank card number: \_\_\_\_\_\_\_\_\_\_\_\_\_

cvv code: \_\_\_\_

*Use Case 3*

**Use Case:** Ticket generation

**Actors:** Airline server

**Goal:** Ticket generation

**Short description:** The server generates a unique ticket

**Scenario:**

1. Create a unique ticket number, pdf file and qr code

*Use Case 4*

**Use Case:** Getting tickets

**Actors:** Passenger

**Goal:** To provide tickets to the passenger

**Short description:** Passenger receives tickets

**Scenario:**

1. The passenger is emailed a pdf file with a qr code that he can use to get his seat on the plane.

*Use Case 5*

**Use Case:** Cancellation of reservation

**Actors:** Airline Server / Passanger

**Goal:** Cancellation of booking

**Short description:** Cancellation of a reservation due to different circumstances

**Scenario:**

1. The passenger presses the "cancel booking" button and fills out the form

Input form: Reason: \_\_\_\_\_\_\_\_\_\_\_\_\_

*Use Case 5.1*

**Use Case:** Money back

**Actors:** Bank Payment portal

**Goal:** Money Back

**Short description:** Return the money to the passenger

**Scenario:**

1. The bank performs a refund operation

**Task 2**

**Examples of tickets.**

