**Web service for searching and booking air tickets**

**Description:**

\*The service represents the real service for booking air tickets(aviasales), where customers can search and book air tickets with the convenient search for all relevant offers in the shortest possible time, and powerful functions for choosing the direction, number of passengers, seat class, date of travel with all current special offers and promotions from carriers.

**Main Functions:**

**1.Register of customers**

**2.** **Providing the aggregator with the most complete information, which makes it easier for customers to choose the most advantageous offer**

**3.** **Tariff selection**

**4.Option to use current special offers and promotions from carriers.**

**5.Option of saving all previous tickets(history)**

**6.Option to use different providers for the best choice of tickets with a lower price**

**7.** **The ability to search for several parameters at once**

**The Structure(Beta):**

The service must provide a Restful API and accept / give requests / responses in JSON format and contain the following methods:

1)Search method POST /search asynchronous search in two providers

2)The GET /search/<search\_id> method returns the search results and search status.

3)Method GET /offers/<offer\_id> which returns offer details by offer id

4)Booking method POST /booking which creates a new booking and saves it to the database.

5)Method GET /booking/<booking\_id> which returns a booking by id.

6)The GET [/booking?email=example@mail.com&phone=+7777777777](mailto:/booking?email=example@mail.com&phone=+7777777777) method, which returns a list of bookings from the database filtered by email and phone if they are specified, as well as pagination by page.