Program name: Plan a plane

Annotation: “Plan a plane” is a telegram bot which sends you information about flights. You can choose a starting point by entering the name of the city which you want to fly from and the name of destination, you want to fly to. After clarifying cities, the bot asks you about the date. Then it sends you information about all possible flights this day: the time and the costs. Moreover, you can set a period of time (in seconds) of sending you requested information (the flights’ costs may change). If you no longer need to receive information about the flights, it’s possible to unsubscribe from sending messages with requested information.

Central repository address: <https://github.com/NeverLoseYourElka/OrAPlane>

Members of the team and their roles:

Savka Anna ( main logic, UI) -- 164

Flyatau Veronika ( main logic, testing) – 164

List of classes with short description of each class:

There are 5 modules used for execution of the program: flightsChat.py, flightsBot.py, tgAPI.py, tools.py, yandex.Avia.py.

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| --- | --- |
| Name of module | List of classes, their descriptions |
| flightsChat.py | Subscriptions – a class that’s responsible for periods in which the bot sends information;  SearchParameters – a class for storing search options;  FlightsChat – a class for storing information about concrete chat. |
| tgAPI.py | Message – a class that’s responsible for information about message received by the bot;  User – a class that stores information about a user;  Telegram – a class that’s responsible for interconnection with telegram’s server according to documentation |
| tools.py | MyEncoder(json.JSONEncoder) – class that we use as a serializer of objects that we want to convert into a json string |

Program interface/test cases:

