

# Flight Price Analysis Poster

## Problem Statement

Analyze and understand flight ticket prices to get a better deal when booking the tickets on the travel date specified:

1. Choose a website that provides booking services (e.g. [skyscanner.ca](http://skyscanner.ca), [kayak.ca](http://kayak.ca)).
2. Specify the details of your search (destination, date, number of people, etc.).
3. Find the best deal for the user.

## Introduction

Getting the best flight price is always a difficult task, because different sites present different options for the same input.

Therefore the main idea of our project is to analyze and understand the flight ticket prices to get a better deal when booking the tickets on the travel date specified.

For this we use various data structures and algorithms we learnt during the subject such as Web Crawler, HTML parser, Spell Check, Page Ranking, Word Completion, Search Frequency etc.

## Motivation

We developed this project as part of our final project requirement for the course Advanced Computing Concepts to get practical understanding of the various algorithms we were taught by Dr. Olena Syrotinga.

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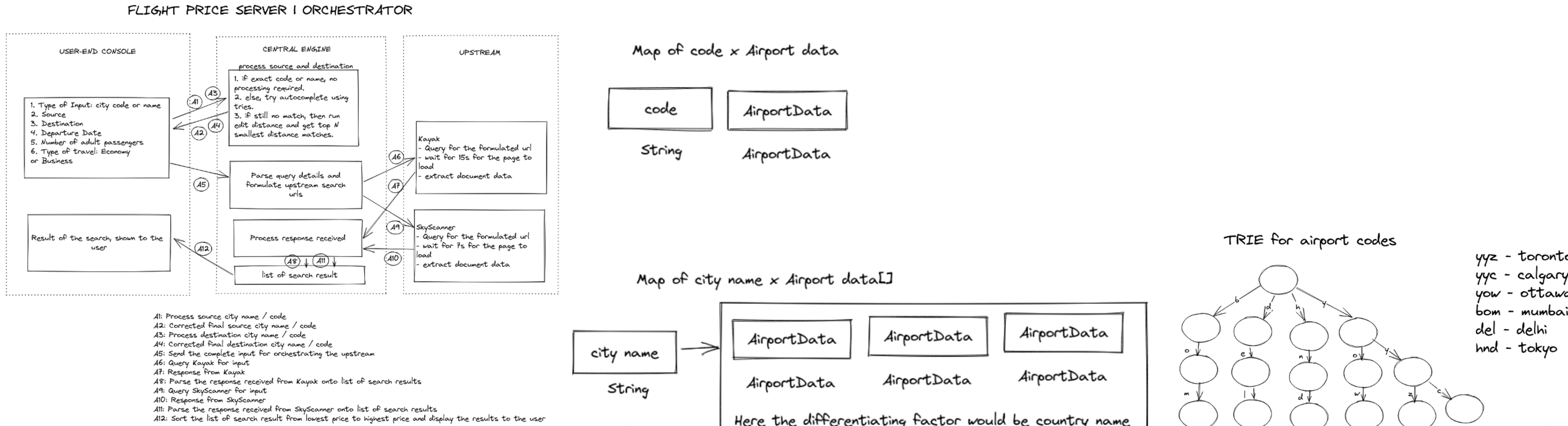
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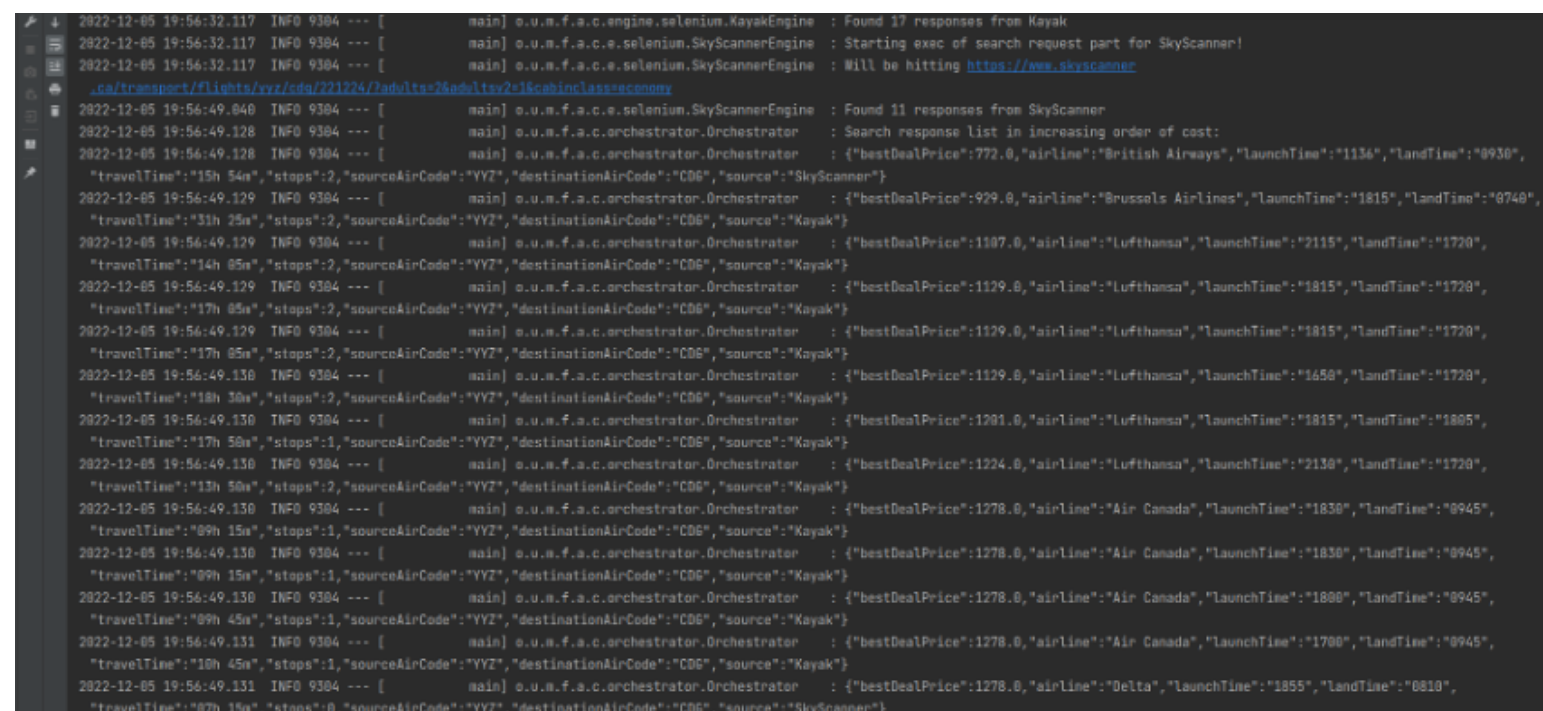
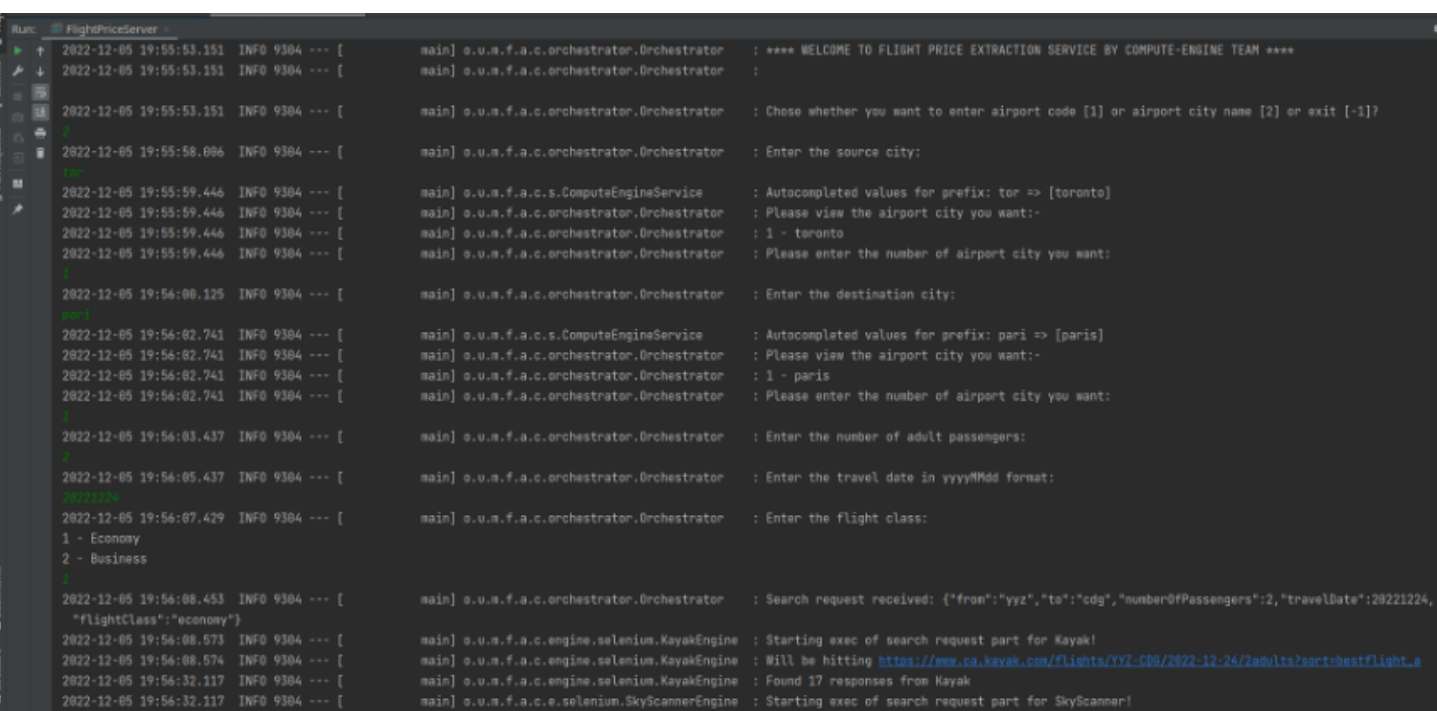
## Technology used

1. Java 8
2. Spring Boot
3. Selenium
4. Jsoup

## Figure and Diagrams



## Console Input and Output:



## Conclusion

We were able to implement the different features as described above and were able to get the best deal for flights from Kayak and Skyscanner websites.

## References

- Lecture by Dr. Olena Syrotkina.
- <https://www.bloomberg.com/news/articles/2022-06-09/does-sustainable-flying-exist-yes-but-it-s-going-to-be-expensive>

