

Flight Data Automation

In this project, you will write a program that automatically stores and analyzes the price of airline tickets from a vendor of your choice. You may pick any travel website such as priceline.com, hotwire.com, expedia.com, or etc. You will analyze the price of a **round trip, economy, and non-stop** flight to the following cities from **Atlanta**:

- Cancun
- Las Vegas
- Denver
- Rome
- Milan
- Paris
- Madrid
- Amsterdam
- Singapore

You will analyze the cost of travel between the months of **May 1st to August 15th** to these cities given an interval of **one week**. For example, you would record the price of flying to Cancun where you depart on May 1st and return May 7th. You would repeat for the dates from May 2nd to May 8th. And continue until August 15th to find the interval with the cheapest ticket price.

The two objectives of this project are the following:

- The project runs reliably without nonobvious errors (30 points)
- Flight data is stored in a sqlite database (30 points)
- Find the price of the cheapest airline ticket to the cities above and the travel date(s) using SQL query (20 points)

You may work in groups of two. 20 percent of your project grade will come from the in-class presentation about your project.

- Use [AAA](#) (Arrange-Act-Assert) style of testing
- Use annotations such as `@BeforeClass`, `@AfterClass`, `@Before`, `@After`, etc
- Follow the DRY principle

Submit your IntelliJ project folder as a zip file when done (please do not use rar).