

Java – Boarding Pass Ticket

**Project Overview**

This project involves generating a boarding pass ticket and storing it in a file.

The application should take the passenger details as input. The details of the boarding pass are to be stored in a file. The details should include valid data such as: name, email, phone number, gender, age, boarding pass number, date, origin, destination, estimated time of arrival (ETA), departure time.

The application should generate a boarding pass ticket using the boarding pass details. The generated ticket should contain the following information:

* Boarding Pass Number, Date, Origin, Destination, Estimated time of arrival (ETA), Departure Time
* Name, Email, Phone Number, Gender, Age
* Total Ticket Price

**Business Requirements**

* The user will be required to enter their Name, Email, Phone Number, Gender, Age, Date, Destination, and Departure Time into the console or GUI (teams’ preference).
* From the input the computer must generate the ETA and Ticket Price.
* The computer must generate the boarding pass number ensuring the number is unique.
* All generated data as well as the data acquired from the user input must be stored in a file.
* Using the data in the file write the ticket to a new file in a user-friendly format (team’s preference).
* Make sure you test your code.
* Ticket Price should be calculated as follows:
* Age < = 12, 50% reduction of ticket price regardless of gender
* Age > = 60, 60% reduction of ticket price regardless of gender
* Females, 25% discount on the ticket price

**Required Technologies:**

* Git
* Java
* GitHub
* JUnit

**Optional Technologies:**

* GUI Library
* Formatting Library (Date, Time, ETC)