EBU6304_G058_flight

EBU6304 – Software Engineering Group Project

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Project Introduction

Our team will develop a **smart flight check-in kiosk software** for British Airways in a few weeks using **agile methods**. We will conduct a systematic requirements survey, analysis and design, followed by writing implementation and testing of the software. We will deliver **four major iterations** in a planned manner.

Features

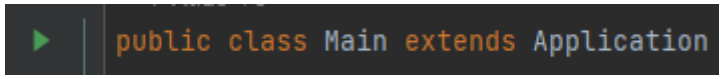
- Passengers look for their own booking information.
- Passengers choose seats.
- Passengers choose meals.
- Passengers can check in.
- Passengers can print tags.
- Administrator can login.
- Administrator can view all the passengers' information.(coming soon)

Quick Start : How to run our project

§§ **jdk 17 and Maven 3.8.1 are required**

1. ## Use IDE

   Our project was developed using **JetBrains IntelliJ IDEA** compiler. You can simply open this project folder in IDEA, wait for **Maven** to automatically complete the project build, and click the green triangle next to the application startup class **Main.java** to run it.



2. ## Use the command line

   Go to the project folder.

   Execute the command **mvn clean javafx:run**

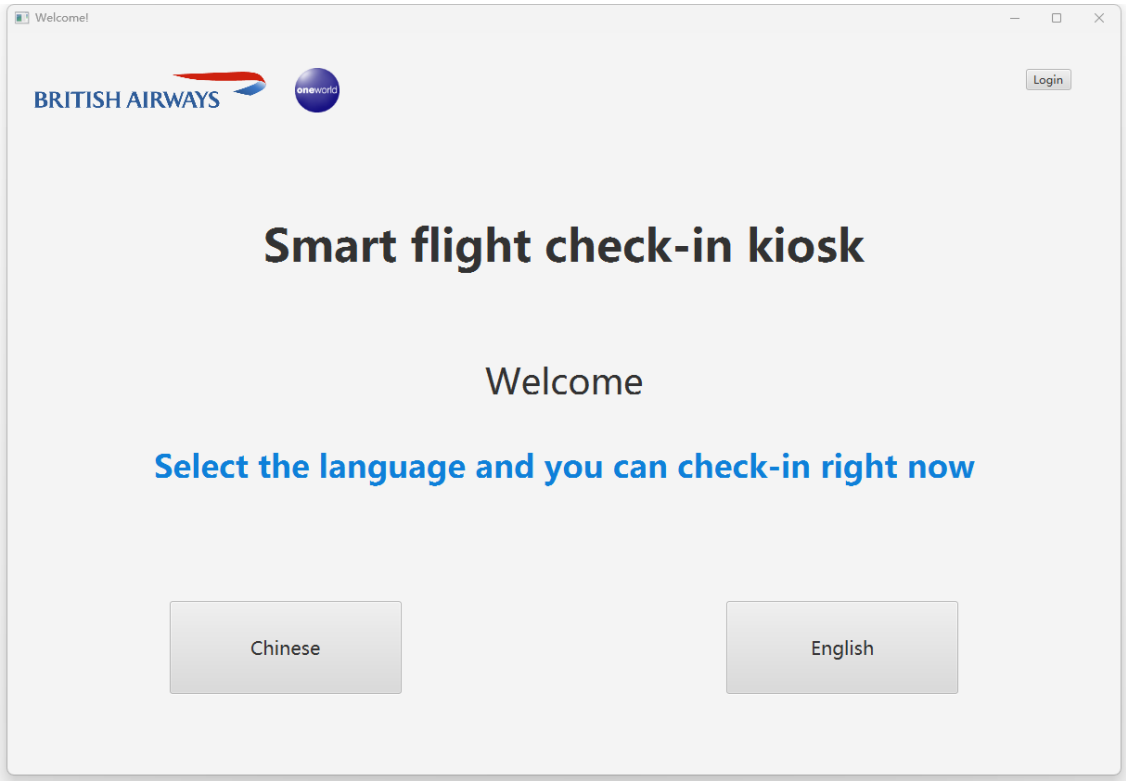
   For example:

```
PS C:\Users\LianJunhong\Desktop> cd E:\Java\EBU6304_G058_flight
PS E:\Java\EBU6304_G058_flight> mvn clean javafx:run
```

   Running result:

```
[INFO] Scanning for projects...
[INFO]
[INFO] ----------------------------< com.app:flight >-------------------------
---
[INFO] Building fight 2.0
[INFO] --------------------------------[ jar ]---------------------------------
---
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ flight ---
[INFO] Deleting E:\Java\EBU6304_G058_flight\target
[INFO]
[INFO] >>> javafx-maven-plugin:0.0.8:run (default-cli) > process-classes @
flight >>>
[INFO]
[INFO] --- lombok-maven-plugin:1.18.20.0:delombok (default) @ flight ---
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ flight
---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 43 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ flight --
-
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 40 source files to
E:\Java\EBU6304_G058_flight\target\classes
[INFO]
```

```
[INFO] <<< javafx-maven-plugin:0.0.8:run (default-cli) < process-classes @
flight <<<
[INFO]
[INFO]
[INFO] --- javafx-maven-plugin:0.0.8:run (default-cli) @ flight ---
```



3. **Use Jar or executable file**

   Coming soon...

Requirements

- maven -- 3.8.1
- jdk -- 17

Documentation

Coming soon...

Iteration logs

2.0 (April 17, 2022) Latest version

- Further improve the basic functions of our page and realize the closed loop of basic operation logic.
- Integrate the administrator login function page.
- Implements the display of flight information (in the form of a list) and passenger selection of seats and meals.
- Several bugs fixed in this release.

1.5 (April 12, 2022)

- Fix bugs and complete the iteration of the 1.0 version.
- Finish the pages and complete the functions of booking and retrieve information.
- Change the design of flight and booking CSV data regardless of whether a passenger has more than one booking and flight.
- Implement the GetFlight and GetReservation interface and GetFlightImpl and GetReservationImpl class.

1.0 (March 28, 2022)

- Complete the first page about selecting a language.
- Make entity classes about version 1.0.
- Complete the programming of common tools related to CSV and JSON.
- Complete the design of the interface between boundary class and control class.
- Complete the login interface design and the implementation of the login function.

0.5 (March 21, 2022)

- Finally determine 28 user stories and acceptance criteria.
- Complete product prototype design using Axure.
- Complete the priority and Fibonacci story points （first version）.

0.1 (March 15, 2022)

- Set up the QMPlus Hub group and discuss the project handout.
- Discuss and write user stories focus on more specific and quantifiable details.
- Build project framework.

Credits

We would first like to thank **Queen Mary University** and **Beijing University of Posts and Telecommunications** for the joint training program that provided much needed guidance and assistance for this course project.

Secondly, please allow us to express our sincere gratitude to **JetBrains** for providing free individual licenses for students and teachers to learn programming with its best-in-class development tools.