User Manual

Java Air Ticket Booking Application

an Avian Limited Product

Purpose of the document

This purpose of this document is to provide information about the installation and use of the software application, *Java Air Ticket Booking Application,* to end users. An end user is defined as anyone who uses this application after public release. These users may have different roles such as: guest customer, registered customer, or employee.

Document history

Version	Date	Drafter	Description
1.0.0	11/14/16	Amy Erxleben Yuwei Cao Guoyu Qi	First draft of document

Validation

Representative	Validator	Date

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1. ICONS USED IN THE MANUEL

Throughout this document, the pictograms below are used to underline points or important notions

	Important information
	Good to know – Tricks
	Risk in front of a parameter setting or of a specific action
	Action to be avoided
	Mandatory action
	Sensitive or difficult procedure. To consider necessarily
	Actions reserved for the employee
	Actions reserved for the customer

2. PRESENTATION OF THE SOLUTION

2.1 BRIEF DESCRIPTION

The *Java Air Ticket Booking Application* is primarily designed to facilitate booking of airline flights by customers as well as employees. Other functionalities include up-dating personal information for registered customers and employees as well as viewing available rewards for registered customers.

2.2 PROJECT PLAYERS

Avian Limited: Avian limited includes all members of the development team. The development team is the owner of this software application and has the sole rights to this software.
Guest Customer: A guest customer is a customer who wishes to use this application without creating a login profile.
Registered Customer: A customer who has created a login profile. This profile includes the customer's personal information, email address (login ID), and a password.
Employee: This project player is anyone who is employed by Java Air. Certain features of the application may be disabled depending on the employee's specific role in the company.

2.3 SUPPORT

Support of this application is primarily delivered via this user manual document. Technical support is also available via:

- Telephone: 1-800-JAVAAIR (open M-F 8am-5pm EST)
- Email: support@javaair.com

2.4 REFERENCED DOCUMENTATION

<Some documentation may be useful to the user in helping them understand how application-related modules work.
List them here if applicable.
>

2.5 HISTORY OF THE SOLUTION

<Give the background here to the various stages in developing the solution from a user viewpoint.>

3. INSTALLING THE APPLICATION

3.1 HARDWARE REQUIREMENTS

- 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor
- 1 GB RAM (32-bit) or 2 GB RAM (64-bit)
- 16 GB available hard disk space (32-bit) or 20 GB (64-bit)
- DirectX 9 graphics device with WDDM 1.0 or higher driver
- 2.0 or greater USB driver
- a compatible optical drive
- Internet access.
- A mouse and a keyboard

3.2 SOFTWARE REQUIREMENTS

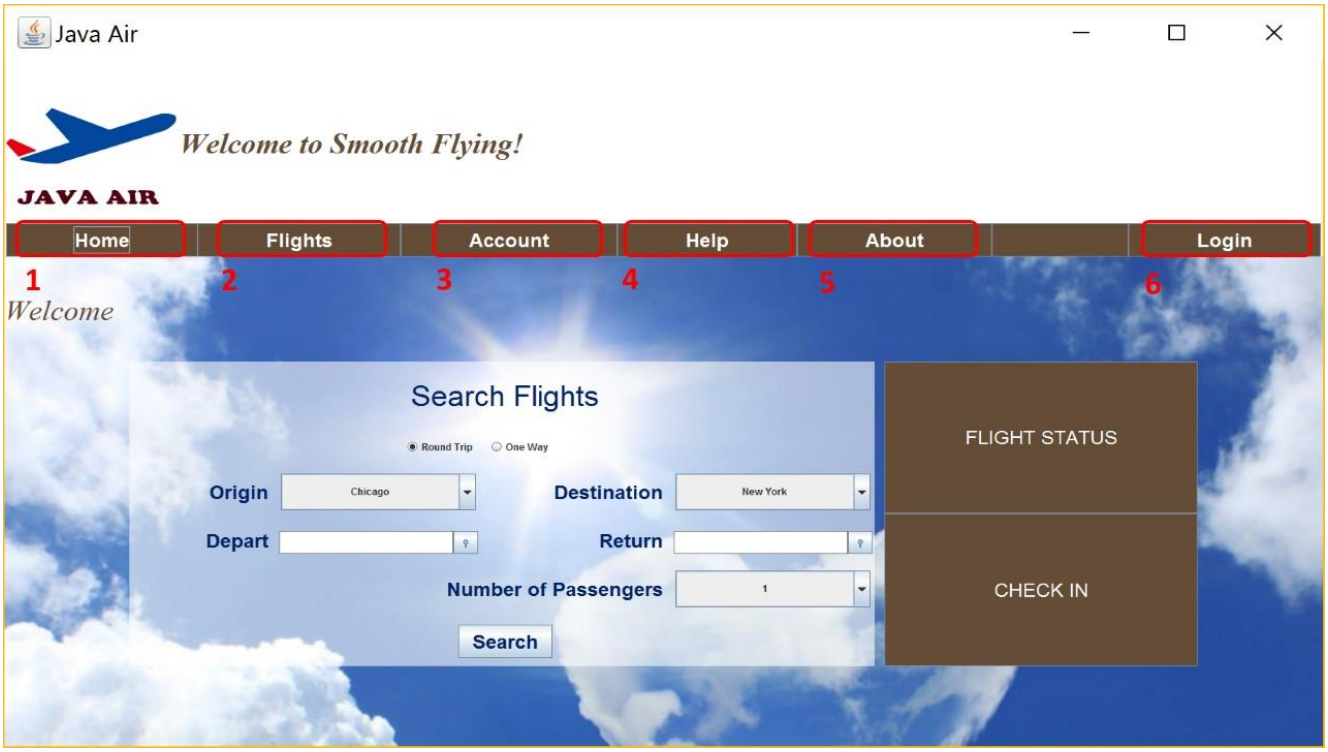
- Windows 7 or higher.
- Java JDK 8 or higher. Installation instructions are in Appendix A.

3.3 Installation Process

4. STRUCTURING OF THE APPLICATION

4.1 LAYOUT

All pages in the application have the main menu bar across the top. An example of this is shown below. This example is a view from the home page of the application.


Java Air
Welcome to Smooth Flying!
JAVA AIR
Home
Flights
Account
Help
About
Login
1
2
3
4
5
6
Welcome
Search Flights
Round Trip
One Way
Origin
Chicago
Destination
New York
Depart
Return
Number of Passengers
1
Search
FLIGHT STATUS
CHECK IN

4.2 MENUS

1. *Home Button*- Press this menu button at any time to return to the home screen.
2. *Flights Button*- Press this menu button at any time to go to the flight search page.
3. *Account*- Pressing this button at any time as a guest customer will direct you to the login landing page. Pressing this button at any time while logged in as a registered customer will direct you to your account information page.
4. *Help*- Press this button at any time to get access to quick help information.
5. *About*- Press this button at any time to get information about the current version of the software running.
6. *Login(Logout)*- This button displays "Login" if a guest customer is using the application. Pressing this "Login" button at any time will direct the customer to the login landing page. This button displays "Logout" if a registered customer is currently logged in. Pressing "Log-out" will log the registered customer out of the application.

4.3 FUNCTIONALITIES

4.3.1 FUNCTIONALITIES PRESENTED/DESCRIBED

- New User Account Registration(Section 5)
- User Account Login/Logout(Section 6)
- User Password Reset(Section 7)
- Update Personal Information(Section 8)
- Flight Search(Section 9)
- Flight Reservation(Section 10)
- Reservation Lookup(Section 11)
- Flight Check-In(Section 12)
- Flight Status Lookup(Section 13)
- Employee Login/Logout(Section 14)

4.3.2 FUNCTIONALITIES NOT PRESENTED/NOT DESCRIBED

<List here all the functionalities that will not be described in the document.

It is not necessary to present all the functionalities of an application:

- because it is already described elsewhere: you could insert a link or reference etc
- because the functionality is unimportant
- …

>

5. NEW USER ACCOUNT REGISTRATION

5.1 DESCRIPTION

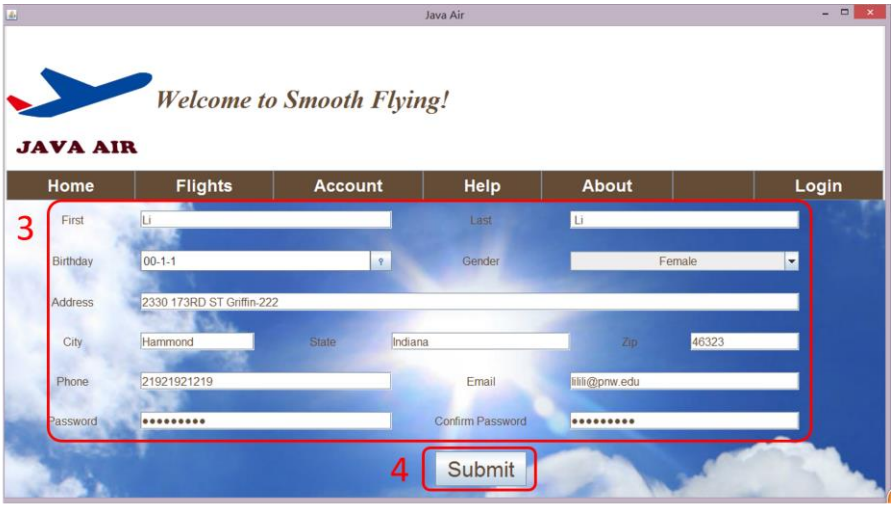
This function is for new customer to register on Java Air application.

5.2 SCREENSHOTS AND ACTIONS

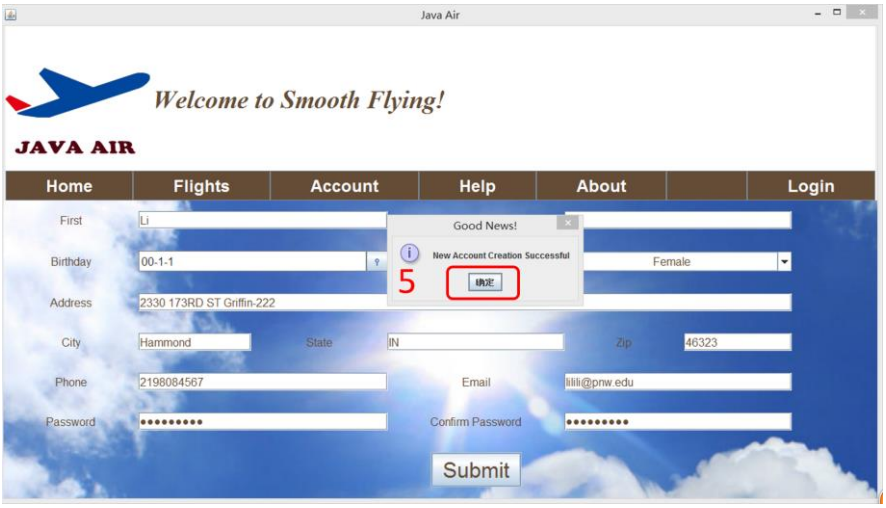
Step1 : Click on the Login button on menu.

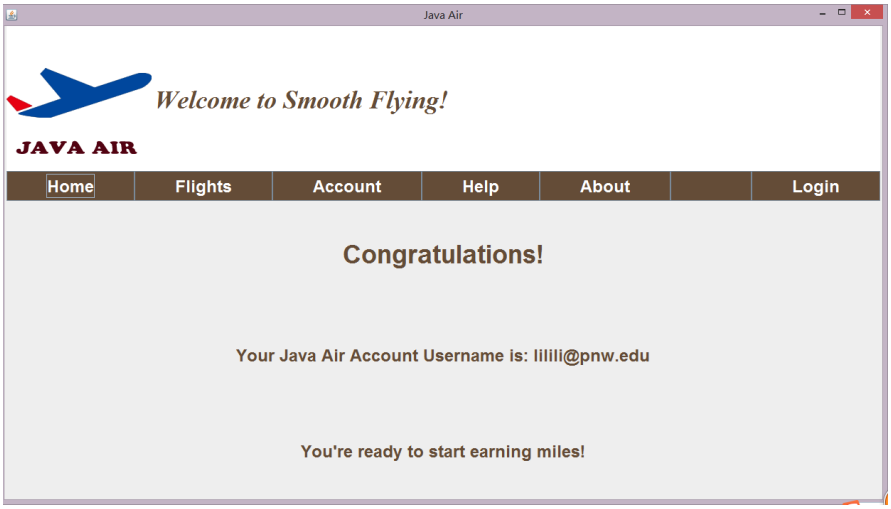
Step2 : Click on the Register button.

Step3 : Fill all required personal information in Registration page.
Step4 : Confirm the information and click on the Submit button.



Step5 : Now you are a registered Java Air customer.





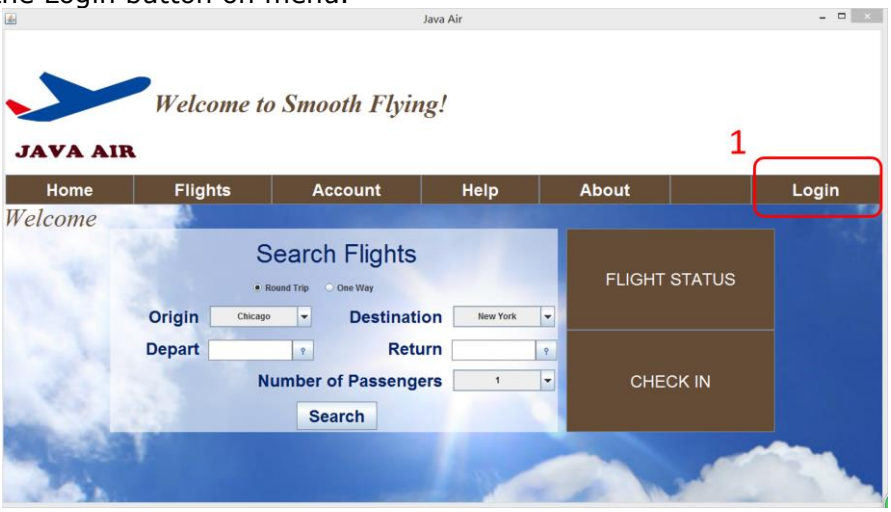
6. USER ACCOUNT LOGIN/LOGOUT

6.1 DESCRIPTION

The User Account Login/logout function is for a registered Java Air customer to access to or exit from his or her personal account.

6.2 SCREENSHOTS AND ACTIONS

Step1 : Click on the Login button on menu.



Step2 : Fill in Email and Password.
Step3 : Confirm the information and click on the Login button.

Step4 :

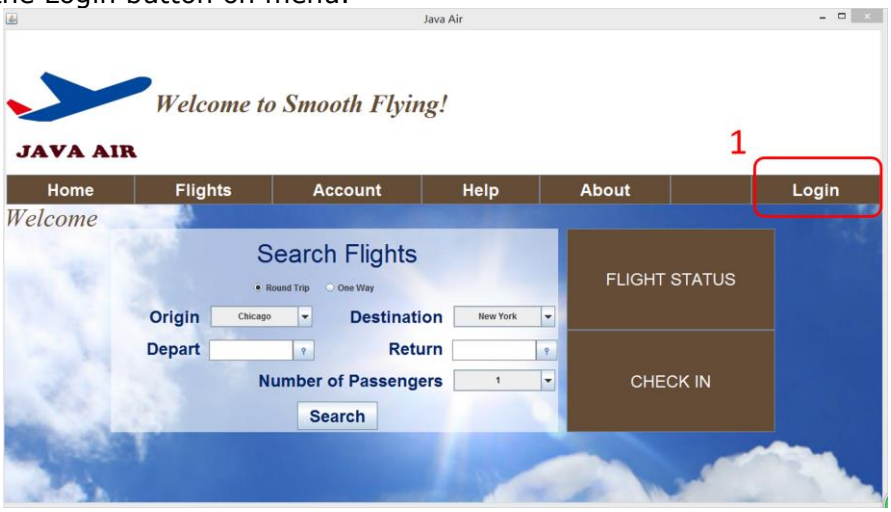
7. USER PASSWORD RESET

7.1 DESCRIPTION

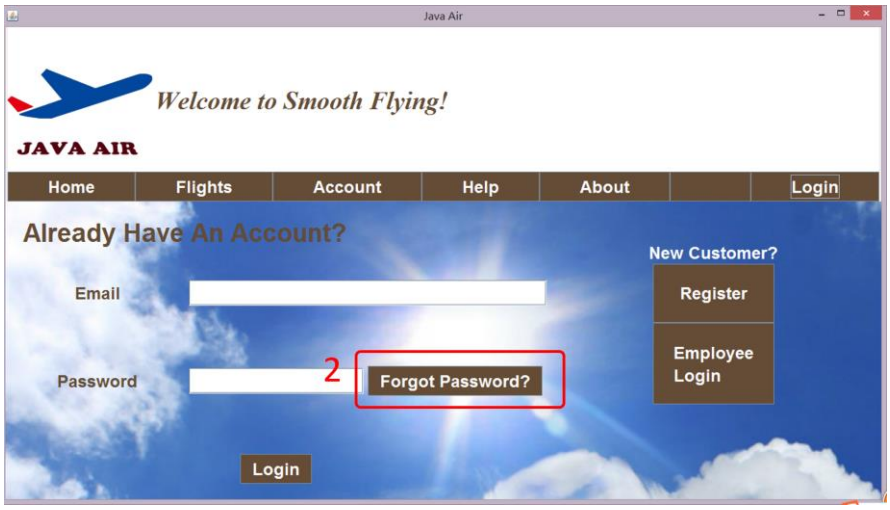
The User Password Reset function is for a registered Java Air customer to reset his password.

7.2 SCREENSHOTS AND ACTIONS

Step1 : Click on the Login button on menu.

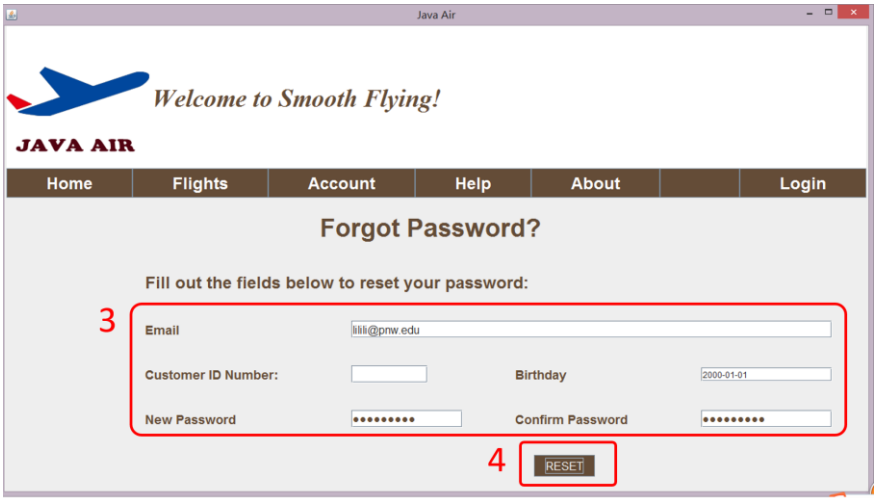


Step2 : Click on the Forget Password button.



Step3 : Fill in all required information.
Step4 : Confirm the information and click on the Reset button.

Clicking confirm immediately resets the account password!



Step5 :

8. UPDATE PERSONAL INFORMATION

8.1 DESCRIPTION

The Update Personal Information function is for a registered Java Air customer to look-up and update his or her personal information in the account.

8.2 SCREENSHOTS AND ACTIONS

Step1 : Login to your Java Air account(see *6. User Account Login/Logout* for instruction).
Step2 :

9. FLIGHT SEARCH

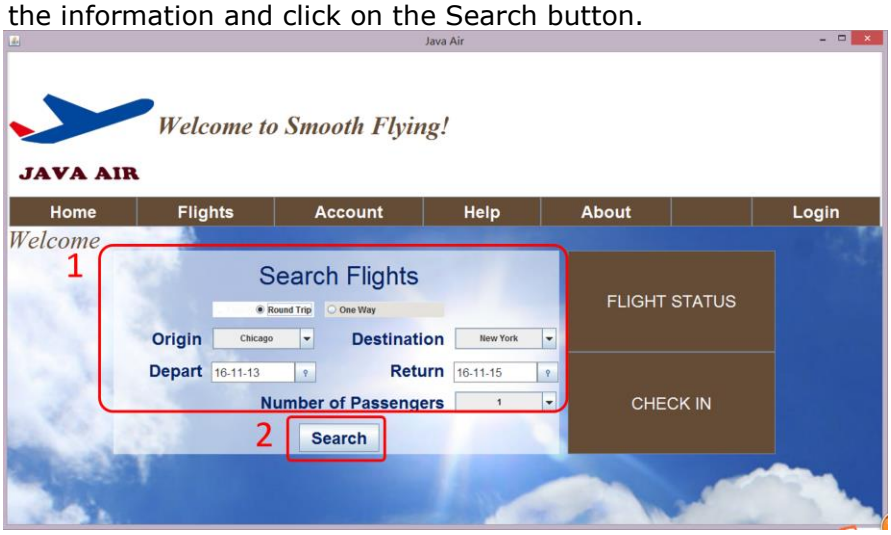
9.1 DESCRIPTION

The Flight Search function is for Java Air customer to search for matching flights by filling all search information, i.e. trip type, destination/origin, departure/arrival date, and number of passengers.

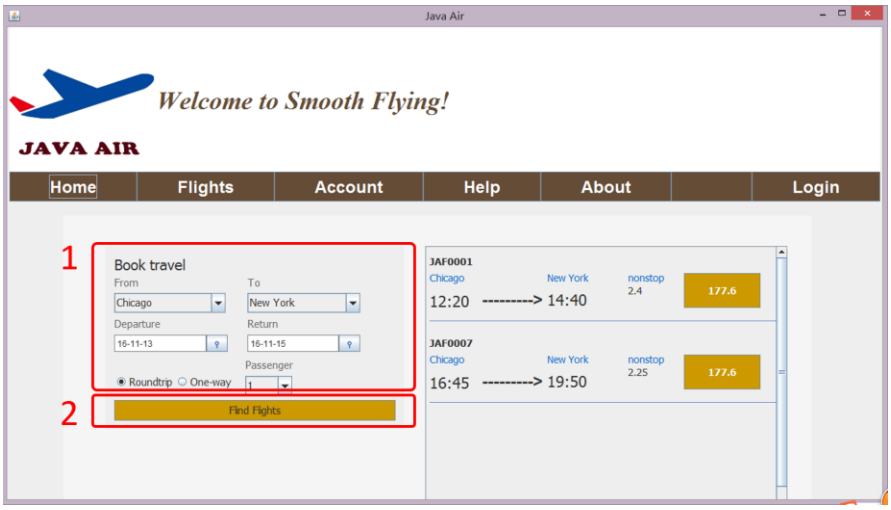
9.2 SCREENSHOTS AND ACTIONS

Step1a : Fill in required search information in the Search Flights window on Java Air home page.

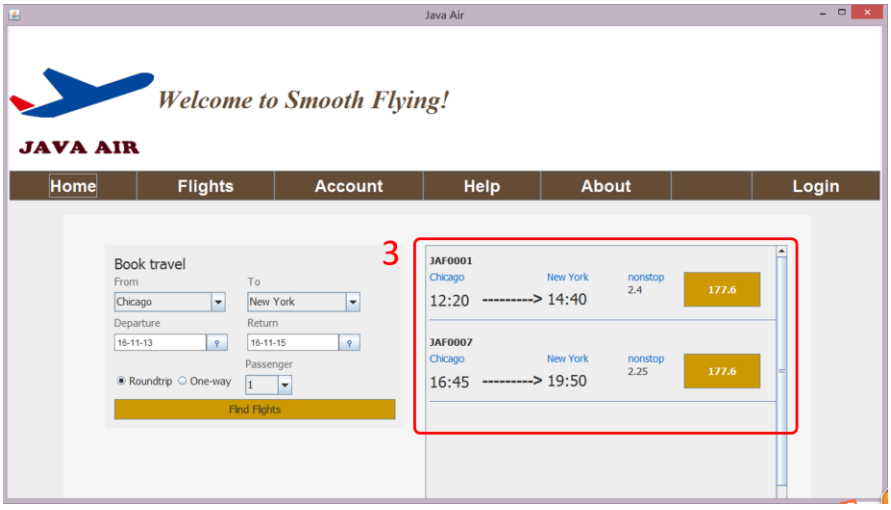
Step2a : Confirm the information and click on the Search button.



Step1b : Click Flights button on the menu and fill in required search information in Book Travel window on the left side of flight search page.
Step2b : Confirm the information and click on Find Flights button.



Step3 : Get matching flights on the right side of flight search page..



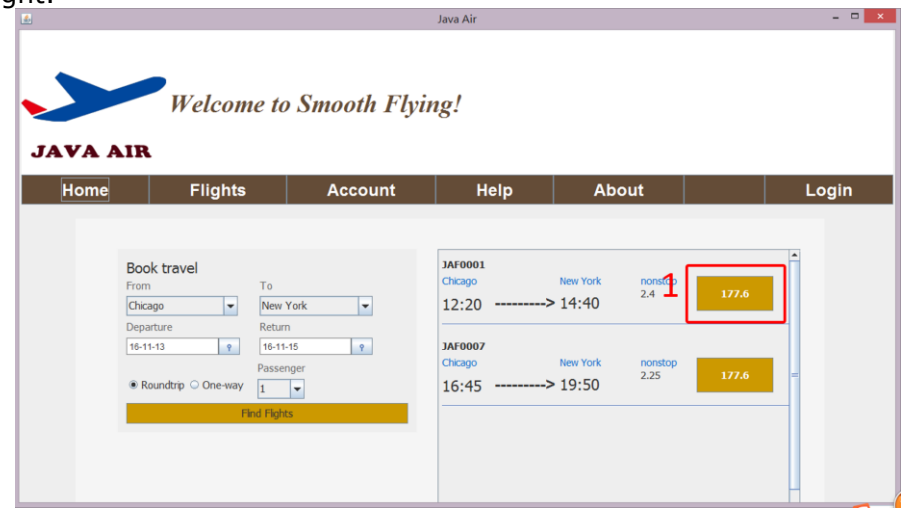
10. FLIGHT RESERVATION

10.1 DESCRIPTION

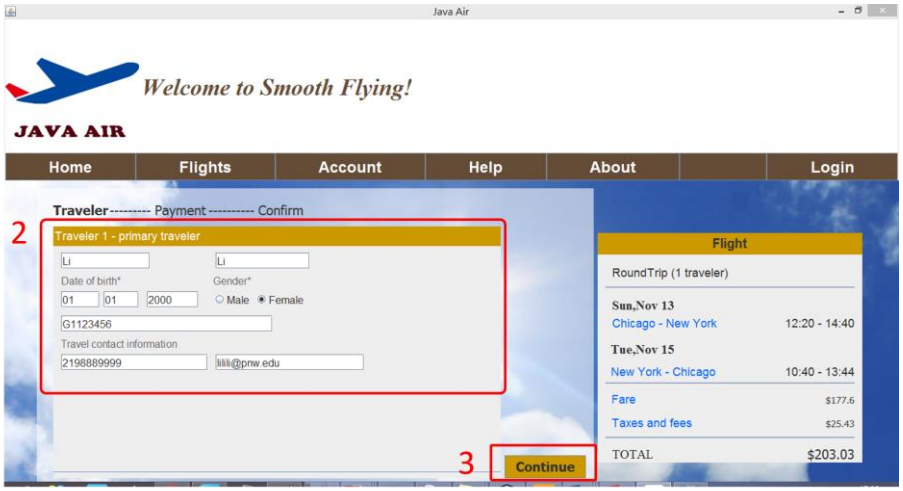
The Flight Reservation function is for Java Air customer to book flights.

10.2 SCREENSHOTS AND ACTIONS

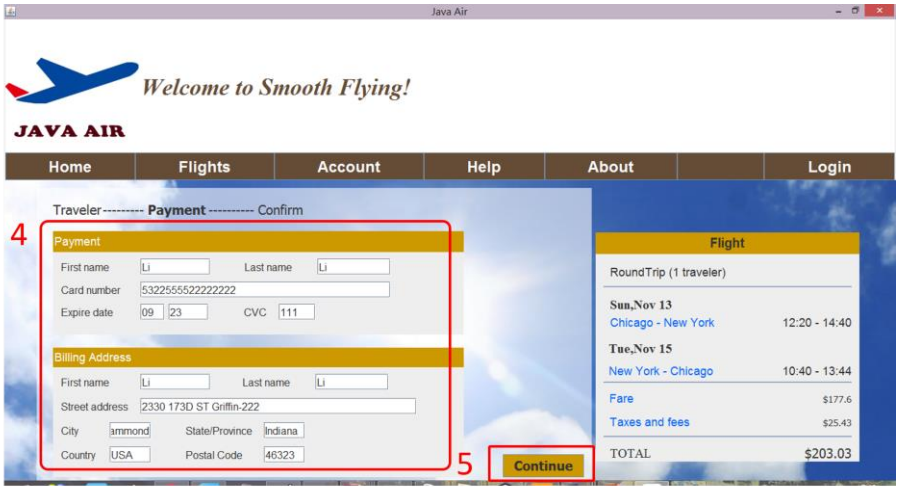
Step1 : Search for flights(see *9. Flight Search* for instruction) and click on the price button to selected desired flight.



Step2 : Fill in all required information in Traveler window.
Step3 : Confirm the information and click on the Continue button.

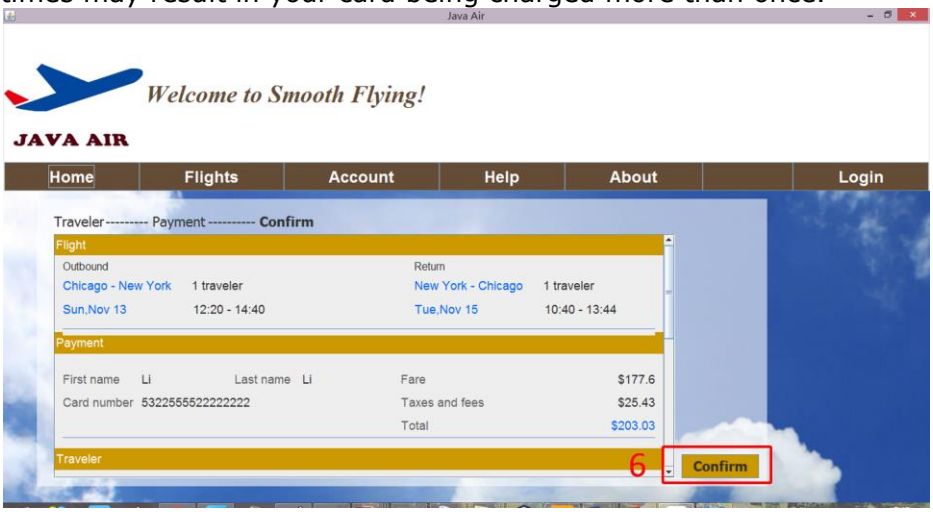


Step4 : Fill in all required information in Payment window.
Step5 : Confirm the information and click on the Continue button.



Step6 : Confirm all booking information and click on the Confirm button.

Clicking the Confirm button will immediately charge the credit card entered. Clicking multiple times may result in your card being charged more than once.



Step7:

11. RESERVATION LOOK-UP

11.1 DESCRIPTION

The Reservation Look-up function is for Java Air customers to look up their exist reservations online.

11.2 SCREENSHOTS AND ACTIONS

For Registered Customer :
Step1 : Login to your Java Air account(see *6. User Account Login/Logout* for instruction).

For Guest:

Step1 :

12. FLIGHT CHECK-IN

12.1 DESCRIPTION

The Flight Check-in function is for Java Air customers to check-in online.

12.2 SCREENSHOTS AND ACTIONS

For Registered Customer :
Step1 : Login to your Java Air account(see *6. User Account Login/Logout* for instruction).

For Guest:
Step1 : Click Check In button on the Java Air home page.

Step2: Fill in all required information in the Check In page.
Step3: Confirm the information and click on the Check In button.

Step4:

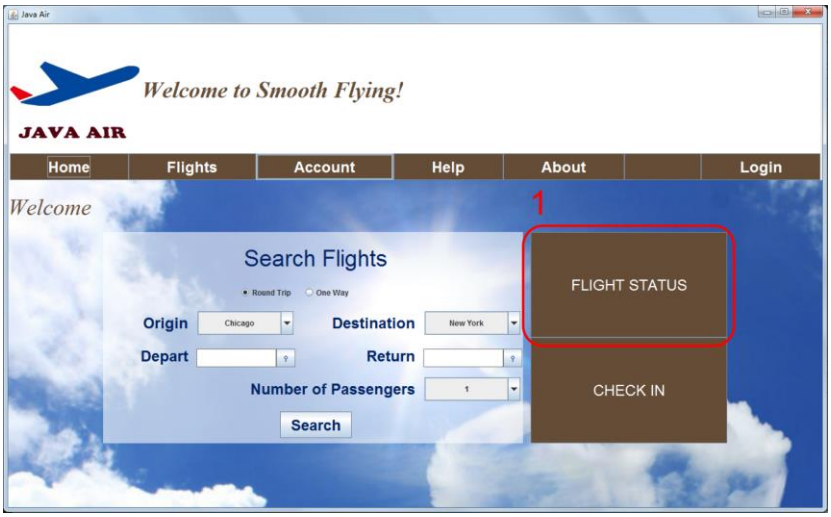
13. FLIGHT STATUS LOOK-UP

13.1 DESCRIPTION

The Flight Status Look-up function is for Java Air customers to look-up the current flight status(on time, delay,cancel) online.

13.2 SCREENSHOTS AND ACTIONS

Step1 : Click on Flight Status button on the Java Air home page.



Step2: All the current flight status will display on the Flight Status page.

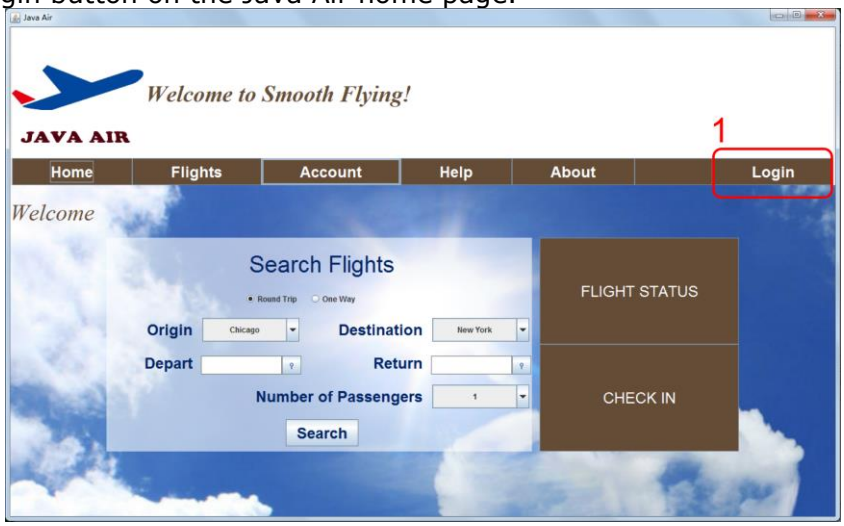
14. EMPLOYEE LOGIN/LOGOUT

14.1 DESCRIPTION

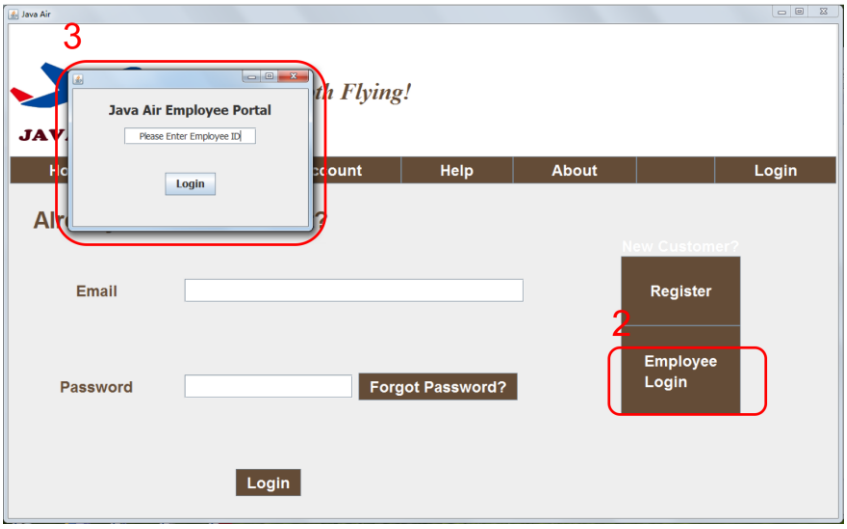
The Employee Login/Logout function is for Java Air employees to access different part with different employee ID.

14.2 SCREENSHOTS AND ACTIONS

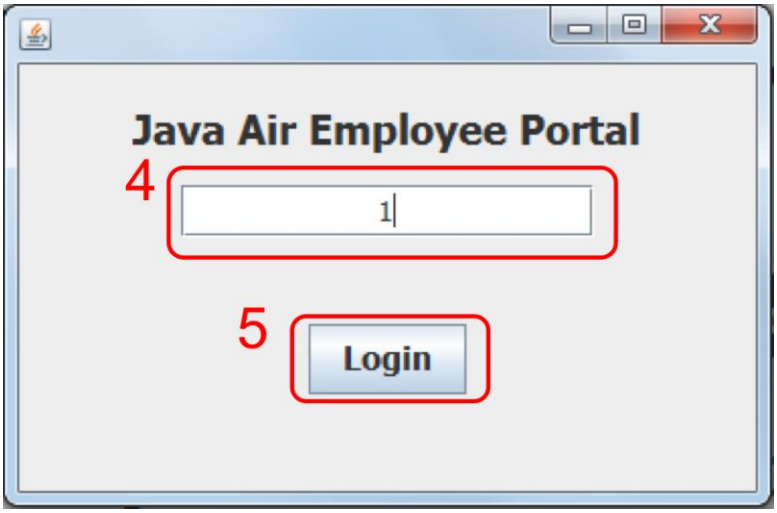
Step1 : Click on Login button on the Java Air home page.



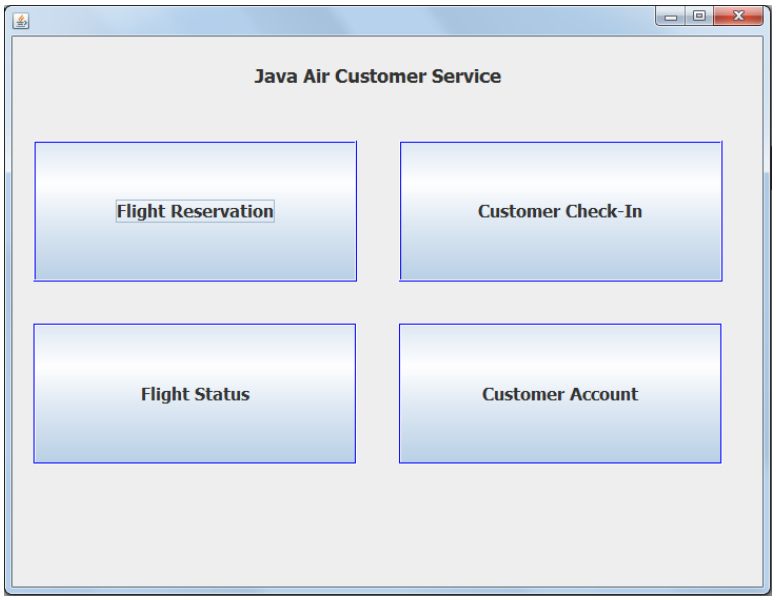
Step2: Click on Employee Login button on the Login page.
Step3: The employee login window will display.



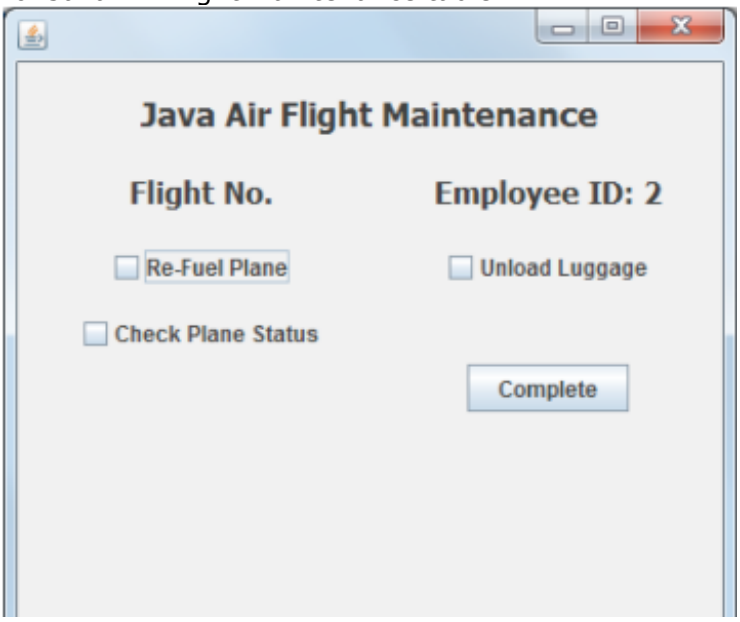
step4 : Input the employee ID to the part that you want.
Step5 : Confirm the employee ID and click on Login button.



step6 : Employee ID 1 for customer service window.



step7 : Employee ID 2 for Java Air Flight Maintenance table.



15. APPENDICES

15.1 APPENDIX A: JAVA JDK 8 INSTALLATION

Oracle® Owns and Maintains the Java and the Java JDK.
Go to:http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html to download the current JDK.
Oracle® has also published documentation about how to install the JDK. You can find the document at http://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html.

15.2 APPENDIX B