The SoftEng_2017_ABS wiki PDF

Changelog

Update 1 (14/3/17)

- Initial commit

Update 2 (21/3/17)

- Code structure implemented
- Login test started

Update 3 (28/3/17)

- Exceptions added, see package-info and Javadocs
- Utility class completed and passes FileTests. Comprises read/write to file.
- User details validation Started

Update 4 (04/4/17)

- Utility class updated to support exporting the users bookings
- model refined and updated
- menuTest completed.
- Commenced major integration testing
- Integrating Menu and Main classes

Update 5 (06/04/17)

- Finished menu class
- Finished bookingTest
- Finished addBooking()
- Finished viewBookings()

Update 6 (9/04/17)

- Finished Main Class
- Tests all pass

- Bug Fixes for addBooking()
- Bug Fixes for Utilities Class
- Bug Fixes for viewBookings()
- Final Checks

Description

The ABS or Appointment Booking System is a Booking system designed for business use to enable clients, through an interactive GIU to view and select bookings for the given business. The Owner of the business can add employees, keep track of employee availabilities and thus schedule bookings appropriately.

Usage

Stable Builds:

!!IMPORTANT!!

The Appointment Booking System (ABS) requires java to be installed in order to run. If you need to install Java you can find it [here](). Download it and follow the instructions on the site to install.

To get the latest stable release for the ABS all one has to do is download the latest version of the ABS.jar file.

Once Downloaded:

1. Open up your command prompt or terminal
2. Navigate to the directory that contains the ABS.jar file
3. Run the command `java -jar ABS.jar`
4. Enjoy the convenience of the Appointment Booking System!

Unstable Builds

WARNING

The next method may not work as it's meant to, if it works at all. It is recommended that you use the latest stable release of the ABS.jar file for a more pleasant experience BUT... if that didn't stop you, here's the instructions to build the system from the naked code.

If you like to live on the wild side and want the very latest from your Appointment Booking System, then you might want to download the repository and compile the program on your own.

To do so, you must have ant installed on your computer, [here](#) is the download page if you need to grab it. Once downloaded you will have to install it, instruction of how to do so can be found [here](#).

Once you have ant set up on your system, you are only a couple of commands away from having the very latest of the ABS.

1. Open up your terminal or command prompt
2. Navigate to the directory which you have the downloaded ABS files (if they are zipped you will have to unzip them first)
3. Next step is to run `ant -f build.xml run`
4. Bask in the glory of the ABS & maybe read the [usage](#) notes if you need help

Installation

Login as Owner

To login as a business owner simply use the credentials that are listed in the businessinfo.txt for that business. There is no other way to add an owner login other than via the file import process.

Once the owner is logged in the owner dashboard will display for their business.

Register User

Using the menu to navigate to the register screen the user can enter their details in the specified format. name,email,address,phone,password And if the email address is unique the user will be registered and logged in.

Database Files

The utilities class can import/export data with default names/formats/locations or you can specify those things upon construction.

Default

By default, the data is stored in the data folder, located in the root folder. There are two text files, businessinfo.txt and customerinfo.txt. when the no argument utilities constructor is used it will look for those files in the data folder.

Default no-arg constructor:

```
/**
 *
 * Default constructor. Assumes businessinfo.txt and customerinfo.txt use
 * CSV and are stored in ./data/
 *
 */
public Utilities() {
        this.filePath = "./data/";
        this.businessInfoFileName = "businessinfo.txt";
        this.customerInfoFileName = "customerinfo.txt";
        this.splitChar = ",";
}
```

As an example, the customerinfo.txt is formatted bellow:

```
# Customer Info
# name,email,address,phone,password
Stacy,stacy.d@gmail.com,123 M Street bendigo vic 3550,0355555555,stacypassword
```

Jerry,bigj@live.com.au,45 Vic rd Melbourne Vic 3000,0414141414,bigjpass

Custom data files

The utilities class also supports specifying the location, filenames/types and list splitting character for the data.

By default the printed lists are split back into arrays by separating the strings at a "," this is most commonly known as comma separated values (CSV), this constructor requires you to specify what character will be used for this purpose.

The custom data constructor:

```
/**
 * @param filePath
 *          Relative file path to data files.
 * @param customerInfoFileName
 *          Name for customer info file.
 * @param businessInfoFileName
 *          Name for business info file.
 * @param splitChar
 *          Character for splitting.
 */
public Utilities(String filePath, String customerInfoFileName, String businessInfoFileName,
String splitChar) {
        this.filePath = filePath;
        this.customerInfoFileName = customerInfoFileName;
        this.businessInfoFileName = businessInfoFileName;
        this.splitChar = splitChar;
}
```

Login as a Customer

To login as a customer is very simple. Upon starting the program just enter your email address and password separated by a comma like so: example@email.com,password No spaces are to be used at any time

Add Booking

Adding a Booking requires the User to first login or register an account. Next step is to select a business to interact with, you can do this by following the on screen prompts which ask you to enter a number to select the business. Simply enter the number which corresponds to the business and press enter. Select the "View Available Bookings" option and then take option 1 to add a booking. Last step is to enter the number of the booking to be added and... viola!

Remove Booking

Removing a booking from your booked appointments was designed to be as streamlined as possible. First of all, login or register with your personal details. Then select the business you wish to interact with. Select "View My Bookings" and note down the number of the booking to cancel. Enter '1' and then enter the number of the booking you wish to cancel. It's as easy as that.

Add Employee

Coming in part B (Currently Possible via businessinfo.txt file)

Add Availability

Coming in part B (Currently Possible via businessinfo.txt file)