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Installation

The executable jar file named “ABS-v1.1.jar” has been provided under root directory, you can copy this file to any directories, and change directory to where the file is located and run the program.

Build

You can create your own builds using maven by following steps:

1. Download maven source code from this link:

<https://maven.apache.org/download.cgi>

Files

Maven is distributed in several formats for your convenience. Simply pick a ready-made binary distribution archive and follow the [installation instructions](#). Use a source archive if you intend to build Maven yourself.

In order to guard against corrupted downloads/installations, it is highly recommended to [verify the signature](#) of the release bundles against the public [KEYS](#) used by the Apache Maven developers.

	Link	Checksum	Signature
Binary tar.gz archive	apache-maven-3.5.0-bin.tar.gz	apache-maven-3.5.0-bin.tar.gz.md5	apache-maven-3.5.0-bin.tar.gz.asc
Binary zip archive	apache-maven-3.5.0-bin.zip	apache-maven-3.5.0-bin.zip.md5	apache-maven-3.5.0-bin.zip.asc
Source tar.gz archive	apache-maven-3.5.0-src.tar.gz	apache-maven-3.5.0-src.tar.gz.md5	apache-maven-3.5.0-src.tar.gz.asc
Source zip archive	apache-maven-3.5.0-src.zip	apache-maven-3.5.0-src.zip.md5	apache-maven-3.5.0-src.zip.asc

Download ***apache-maven-3.5.0-bin.zip*** or ***apache-maven-3.5.0-bin.tar.gz*** onto your machine and follows steps in this link to install maven:

<https://maven.apache.org/install.html>

2. After installation, you can check the version of maven by this command:

```
mvn --version
```

It should print out your installed version of Maven, for example:

```
192-168-1-5:Documents ranlu$ mvn --version
Apache Maven 3.5.0 (ff8f5e7444045639af65f6095c62210b5713f426; 2017-04-04T05:39:06+10:00)
Maven home: /Users/ranlu/Documents/apache-maven-3.5.0
Java version: 1.8.0_131, vendor: Oracle Corporation
Java home: /Library/Java/JavaVirtualMachines/jdk1.8.0_131.jdk/Contents/Home/jre
Default locale: en_AU, platform encoding: UTF-8
OS name: "mac os x", version: "10.12.5", arch: "x86_64", family: "mac"
192-168-1-5:Documents ranlu$
```

3. Unzip and change directory to the location where you download the zip file named "s3583185.zip".

```
192-168-1-5:~ ranlu$ cd Desktop/s3583185
192-168-1-5:s3583185 ranlu$ ls
ABS-v1.1.jar                documentation
AppointmentBookingSystem.db pom.xml
README.md                  src
bin                        target
192-168-1-5:s3583185 ranlu$
```

4. Use this command to run automated builds by maven:

mvn clean install

```
192-168-1-5:s3583185 ranlu$ mvn clean install
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building ABS v1.1
[INFO] -----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ ABS ---
[INFO] Deleting /Users/ranlu/Desktop/s3583185/target
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ ABS ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 18 resources
[INFO]
[INFO] --- maven-compiler-plugin:3.5.1:compile (default-compile) @ ABS ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 32 source files to /Users/ranlu/Desktop/s3583185/target/classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ ABS ---
```

Your automated build should be created; the result is like:

```
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.149 s
[INFO] Finished at: 2017-05-24T00:18:38+10:00
[INFO] Final Memory: 22M/255M
[INFO] -----
192-168-1-5:s3583185 ranlu$
```

5. Change directory to target by the following command:

```
cd target
```

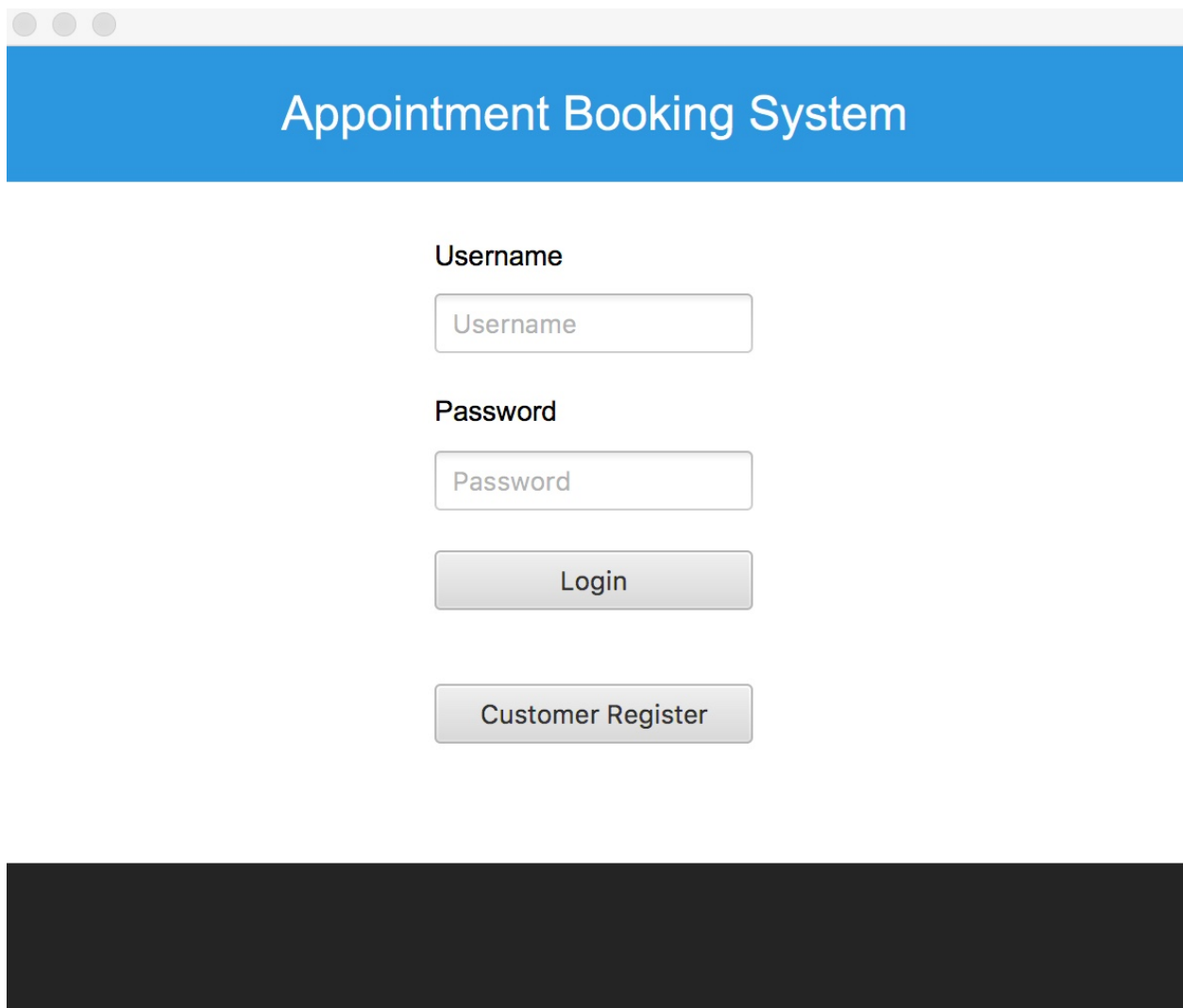
You should see a list like this:

```
192-168-1-5:s3583185 ranlu$ cd target
192-168-1-5:target ranlu$ ls
ABS-v1.1-jar-with-dependencies.jar    classes                maven-status
ABS-v1.1.jar                          generated-sources
archive-tmp                           maven-archiver
192-168-1-5:target ranlu$
```

6. All steps have been completed, you can run this build by this command:

```
java -jar ABS-v1.1-jar-with-dependencies.jar
```

And a GUI will be illustrated.



Appointment Booking System

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