

Installation and User Guide

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1 Requirements

- Internet connection
- The following tools must be installed (lower versions may work, but not recommended)
 - *Java SDK* (≥ 7)
 - *Git* - to get the code
 - *Maven* (≥ 3) - for building - <http://maven.apache.org/download.html>
 - *Apache Tomcat* (≥ 8) - for deploying the web interface - <http://tomcat.apache.org/>

2 Get the code

Using Git clone the repository at GitHub using the following command:

```
git clone https://github.com/btodorov88/experiments.git
```

3 Build the project

In order to build the project the following steps have to be executed using *CMD* or alternative:

1. Navigate to the SpringBankWeb in the cloned repository
2. Execute the *mvn clean package* command

4 Deploy

The build procedure creates deployable *war* file. It can be found at *SpringBankWeb\target\springbank-1.0.0-BUILD-SNAPSHOT*. In order to deploy the file, one has to copy it to the *webapps* folder of the Tomcat web server(for easier access the file should be renamed to *springbank.war*). Once deployed the web client can be accessed at *localhost:8080\springbank* (default Tomcat configuration).

5 Explore the application

When the application is started it redirects to a login page for authentication. The test data defines a user *btodorov* with password *123*. Once successfully authenticated the user is redirected to the main page which presents all accounts (left table) and transactions (right table) associated with the authenticated user.

A new bank transaction can be made by clicking on the "Create transaction" button in the menu. Next the user is asked to fill in a form providing details about the transaction. When the form is submitted it is validated to make sure all necessary fields are populated and the "From account" has enough capital. In case of success the user is redirected to the main page where the newly created transaction can be seen.

6 Take a look at the code

The cloned project can be easily imported into Eclipse. In order to do that go to *File\Import\Existing Projects into Workspace* and follow the instructions.