ShopFounders v1.0 Software Product Specification (SPS)

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Revision History

Version	Date	Author(s)	Description
01	01/02/2018	Aayush Kumar	First release

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1 Setting up Environment

1.1 Setting up the pre-requisites

Required OS: Either windows XP, Windows 7, Windows 8 or Windows 10 (32 or 64 bit).

- **JDK** :
  - Windows : at least version 1.8.0_101 (successfully tested on version 1.8.0_101), and JAVA_HOME set to directory where JDK is installed.
- **Maven 3.0.4** (note that maven 3.0.5 also fits but NOT a later version, it will probably not work)

  <groupId>org.apache.maven</groupId>
  <artifactId>apache-maven</artifactId>
  <version>3.0.4</version>

  - Windows :
    - bin directory added in PATH (so that "mvn" command is known)
- **GIT**
  - Windows :
    - 2.14.x or greater (Very important : During installation, ensure you check the option to install command line feature)
- **NPM**
  - 3.10.8 or greater
- **MongoDB**
  - Version: 3.6 (tested version: 3.6)
  - Dump: download the dump from the link below

https://github.com/hiddenfounders/web-coding-challenge/blob/master/dump-shops.zip

- Extract the dump and use the command below to restore it.
  mongorestore --db shops shops/

2 Getting source code from GIT Repository

2.1 Working directory

Choose a single directory **<MySFRoot>** where you will checkout all ShopFounders files.

2.2 ShopFounders GIT repository

ShopFounders base GIT repository is https://github.com/AayushKumarHbk/ShopFounders.
There are two directories in it:

- AngularBoot: The NPM-based Angular Front-end

- SpringBoot: The Maven-based back-end using Spring Boot.

2.3 Pull the source code

Pull the source code from specified repository to <MyMesaRoot> diorectory using the GIT command:

git clone "https://github.com/AayushKumarHbk/ShopFounders.git"

```
D:\Aayush\demo>git clone "https://github.com/AayushKumarHbk/ShopFounders.git"
Cloning into 'ShopFounders'...
remote: Counting objects: 620, done.
remote: Compressing objects: 100% (359/359), done.
remote: Total 620 (delta 272), reused 550 (delta 202), pack-reused 0Receiving objects:  87
Receiving objects: 100% (620/620), 103.25 KiB | 102.00 KiB/s, done.

Resolving deltas: 100% (272/272), done.

D:\Aayush\demo>
```

Snapshot of source code pulled [Windows machine]

3 Build & Execute ShopFounders in Windows

3.1 Build ShopFounders

1. Open command prompt and Change directory to <MySFRoot>/ ShopFounders /AngularBoot. Use command:

   cd <MyMesaRoot>/ ShopFounders /AngularBoot

2. Type in "**npm install**"

3. Wait till the successful completion.

Front-end is done installing. For Back-end:

4. Change directory to <MySFRoot>/ ShopFounders /SpringBoot. Use command

   cd <MySFRoot>/ ShopFounders / SpringBoot

5. Type in "**mvn clean install**"

6. Wait till the successful completion.

Back-end executable is generated in directory:

<MySFRoot>/ShopFounders/SpringBoot/shop-founders-modules/shop-founders-core/target

3.2 Execute ShopFounders

Starting the backend first:

1. Open Cmd and navigate to directory <MySFRoot>/ ShopFounders / AngularBoot.

2. Execute the command **npm start**

Successful completion is the indication that front-end has started. Now, to start MongoDB:

3. Navigate to MongoDB installation directory > bin and execute the command **mongod**. You should a message as shown in the snapshot below:

MongoDB up and running

Once MongoDB starts, the back-end should be started by following some final steps as shown below:

4. Navigate to directory :

    <MySFRoot>/ ShopFounders/SpringBoot/shop-founders-modules/shop-founders-core/target

5. Execute the command **java –jar shop-founders-core-0.0.1-SNAPSHOT-exec.jar**

Back-end displays message: **Started ShopFoundersApp in xx.yyy seconds**

6. Open your browser and go to **http://localhost:4200**

   You should see the Sign In screen now. ShopFounders app is now ready to use.