PET PROJECT PROGRESS

# Shopping Online

## Work done

* Install Eclipse, tomcat
* Create spring-web-servlet.xml, update web.xml configuration
* Create HomeController redirect to other page
* Create Home view
* Create 3 view page for shopping selection (pet, manga, book)
* Know how to use ModelAndView, c:forEach to show list in view
* Use jsp include
* Convert to spring boot
* Connect ES using RESTFUL API
* Add addProduct view
* Add function add product from ES
* Add function show all product from ES (classify type)

## To-do list

* Apply template page to reduce duplicate code
* Connect DB
* Add CRUD with DB
* Apply Hibernate
* Add function delete product from ES

## Problems

* Cannot import css file (not yet solved - fixed by using sample project)
* Don’t understand servlet mapping configuration in web.xml (need to ask stackOverflow)
* Error fragment not found expected path when using jsp:include (solved) – use ../test (relative path)

## Guide

### The way to convert spring web basic to spring boot web:

* Add in pom.xml

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>1.5.7.RELEASE</version>

<relativePath /> <!-- lookup parent from repository -->

</parent>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

<version>1.5.7.RELEASE</version>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-tomcat</artifactId>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>org.apache.tomcat.embed</groupId>

<artifactId>tomcat-embed-jasper</artifactId>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>javax.servlet</groupId> <artifactId>jstl</artifactId>

<version>${jstl.version}</version>

</dependency>

* Add file application.java and application.properties in src/main/resources like the following links
* Need to add annotation @ComponentScan in application.java to specify the path of other files.
* Modify path to view folder in app.properties

\*\*\*Note: I have an error that leads to unable to run spring boot “can not instant springboot.context/boot…”. Not sure it works for all situations but I remove the <build>, <plugin> in pom.xml. Renew folder target, mvn build, update maven.. I think the root cause is in file pom.xml

References:

<https://www.mkyong.com/spring-boot/spring-boot-hello-world-example-jsp/>

<https://github.com/spring-projects/spring-boot/tree/master/spring-boot-samples/spring-boot-sample-web-jsp>

<http://www.baeldung.com/spring-mvc-form-tutorial>