Java Programming (CSE1007) Digital Assignment - 3

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Question:

Create a Web Application using Spring-Boot

Web Application Created: A To-Do List

Code:

Pom.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/x
sd/maven-4.0.0.xsd">
   <modelVersion>4.0.0</modelVersion>
       <groupId>org.springframework.boot</groupId>
       <artifactId>spring-boot-starter-parent</artifactId>
       <version>2.2.2.RELEASE
       <relativePath /> <!-- lookup parent from repository -->
   </parent>
   <groupId>com.example
   <artifactId>spring-boot</artifactId>
   <version>0.0.1-SNAPSHOT</version>
   <name>spring-boot</name>
   <description>Demo project for Spring Boot</description>
   properties>
       <java.version>1.8</java.version>
   </properties>
   <dependencies>
       <dependency>
          <groupId>org.springframework.boot</groupId>
          <artifactId>spring-boot-starter-web</artifactId>
```

```
</dependency>
        <!-- tag::actuator[] -->
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-actuator</artifactId>
        </dependency>
        <!-- end::actuator[] -->
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-thymeleaf</artifactId>
        </dependency>
        <!-- tag::tests[] -->
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-test</artifactId>
            <scope>test</scope>
            <exclusions>
                <exclusion>
                    <groupId>org.junit.vintage</groupId>
                    <artifactId>junit-vintage-engine</artifactId>
                </exclusion>
        </dependency>
        <!-- end::tests[] -->
    </dependencies>
    <build>
        <plugins>
            <plugin>
                <groupId>org.springframework.boot
                <artifactId>spring-boot-maven-plugin</artifactId>
            </plugin>
        </plugins>
    </build>
</project>
```

Controller.java

```
package com.example.springboot;
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RestController;
import org.springframework.web.bind.annotation.RequestMapping;

@RestController
public class HelloController {

    @RequestMapping("/")
    public String viewHome() {
        return "To-
Do List for JAVA Programming DA3 by Robin Thomas deployed in following link: https://radia
```

```
nt-cliffs-58750.herokuapp.com GitHub Repo for APP: https://github.com/TheRealHazzard/To-
Do-list-Version-3 ";
    }
}
```

Application.java

Application.properties:

```
server.contextPath=/example
server.port=8085
```

Steps to Run application:

1) Run the following command at the root directory:

```
./mvnw spring-boot:run
```

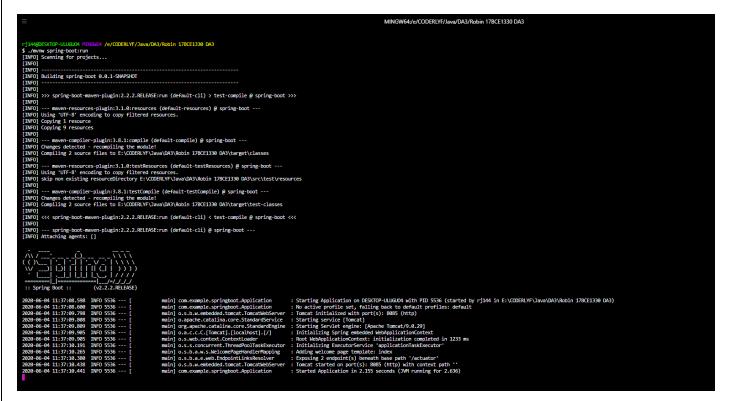
- 2) Open localhost:8085 in any web browser
- 3) Navigate to the link that appears on screen
- 4) You have reached the application page. Use The "+" icon to add a note.
- 5) Tick the checkbox to delete a note.

GitHub repo: https://github.com/TheRealHazzard/To-Do-list-Version-3

<u>Deployed on Heroku at: https://radiant-cliffs-58750.herokuapp.com</u>

Output Screenshots:

Cli:

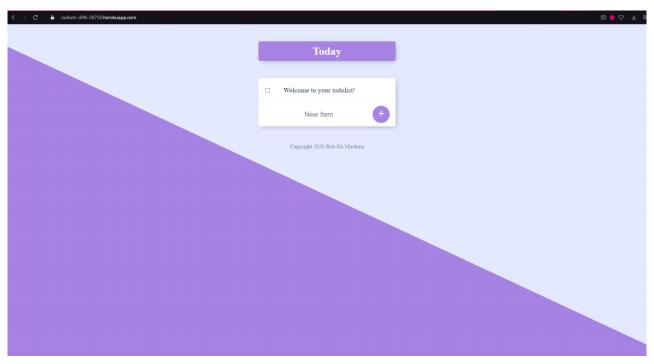


Localhost:8085:

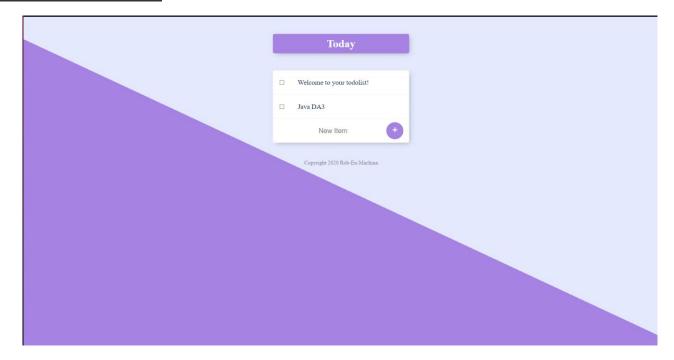


To-Do List for JAVA Programming DA3 by Robin Thomas deployed in following link: https://radiant-cliffs-58750.herokuapp.com/GitHub Repo for APP: https://github.com/TheRealHazzard/To-Do-list-Version-3

Deployed final app:



Added a list item:



Note: MongoDB atlas is used to store the notes in a database.

README.MD

□ README.md

JAVA DA3 To-Do-List using Spring-Boot

Deployed on Heroku at

https://radiant-cliffs-58750.herokuapp.com

Install Instructions

- Clone/ Download the repo
- cd to the downloaded folder.
- · open command terminal
- type "./mvnw spring-boot:run" (Without the quotes)
- Navigate to localhost 8085 in browser.
- Navigate to the link that appears on screen
- $\bullet~$ You have reached the application page. Use The "+" icon to add a note.
- Tick the checkbox to delete a note.

Made By Robin Thomas 17BCE1330

https://github.com/TheRealHazzard/JAVA-DA3