The required solution is basically a Single Page Application with CRUD like functionality.

Below technologies were used:

JDK 1.7/1.8

Spring 4.3.1.RELEASE

AngularJS 1.4.4

Maven 3

Eclipse Mars

M2Eclipse plugin

Apache Tomcat 8.0.27

MySQL Server 5.5

How to run the Single Page Web Application

1. Download Apache Tomcat 8.0.27.rar and extract to a directory.

2. Download the file Spring4MVCAngularJSExample.rar and extract it into a directory.

3. Load Eclipse Mars and create the Tomcat Server.

4. Import Spring4MVCAngularJSExample project into Eclipse Mars.

5. Run a Maven clean install for the project.

6. Add the project: Spring4MVCAngularJSExample into Tomcat in Eclipse.

7. Create database in MySQL 5.5 with name: cing\_student\_mgt\_db

8. Create table ‘User’ in the database using following script:

DROP TABLE IF EXISTS `cing\_student\_mgt\_db`.`user`;

CREATE TABLE `cing\_student\_mgt\_db`.`user` (

`id` bigint(20) NOT NULL AUTO\_INCREMENT,

`username` varchar(30) NOT NULL,

`address` varchar(30) DEFAULT NULL,

`email` varchar(30) DEFAULT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB AUTO\_INCREMENT=3 DEFAULT CHARSET=latin1;

9. Run the project in Eclipse Tomcat.

10. Load a browser and type: http://server\_ip:8080/Spring4MVCAngularJSExample/

Note: There is a slight issue in loading the project when Tomcat starts. Hence the solution does not work. I would need more time to figure out what is causing the project to not load in Tomcat. It is probably some project configuration issue (or a dependency from Maven).

**Without JPA/Hibernate integration (JPA/Hibernate integration is in above stated project in Spring4MVCAngularJSExample.rar**)**, the project works (for a list of dummy users). I have also uploaded that sample as: Spring4MVCAngularJSExample-Without JPA.rar**