**Project: CI/CD Deployment for Springboot Application**

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**Submission Date:**

**Product Description:**

Healthcare web application with a rich and user-friendly interface.  
You are hired as the Full Stack Java developer and are asked to develop the web application. The management team has provided you with the requirements and their business model so that you can easily arrange different components of the application.

**Features of the application:**

1. Registration
2. Login
3. Payment gateway
4. Searching
5. Order Summary

**High Level Sprint Planning**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| story | story desc | sprint | story points | dependant story |
| 1 | creation of db tables like users, Medicines | Sprint-1 | 1 |  |
| 2 | Users beans class and Medicines beans | Sprint-1 | 1 |  |
| 3 | User repository and sign in validations | Sprint-1 | 3 | 2 |
| 4 | user service to store user, extract users, update user, delete user | Sprint-1 | 1 | 3 |
| 5 | Enhance user service to avoid duplicates while storing users and sign in validations etc | Sprint-1 | 1 | 3 |
| 6 | user controller for data for crud operations | Sprint-1 | 3 | 2 and 3 |
| 7 | Medicine repository |  |  |  |
| 8 | Medicine service to store Medicine, extract Medicine, update Medicine, delete Medicine | Sprint-1 | 3 | 7 |
| 9 | Search medicine by name, duplicate check etc | Sprint-1 | 3 | 7 and 8 |
| 10 | Medcinine controller for data for crud operations | Sprint-1 | 3 | 9 |
| 11 | Creation of Post man collection for the user, medicine API | Sprint-1 | 3 |  |
| 12 | Creation of Angular Project - For UI development | Sprint-2 | 3 |  |
| 13 | Creation of component, class and service for Users | Sprint-2 | 3 |  |
| 14 | Enhance service to invoke REST API for CRUD operations | Sprint-2 | 5 | 6 and 10 |
| 15 | Enhance user component TS include/invoke CRUD operations | Sprint-2 | 5 | 14 |
| 16 | Develop user HTML page to do Admin roles | Sprint-2 | 1 | 15 |
| 17 | Create new components login and register | Sprint-2 | 3 |  |
| 18 | Enhance service to include signin validation | Sprint-2 | 3 |  |
| 19 | Create new component sign, register  and develop signin and register pages | Sprint-3 | 3 |  |
| 20 | Create new component medicine, and service and develop medicine and register pages | Sprint-3 | 5 |  |

**Technology used**

**Back end – Spring Boot**

* Restful API’s
  + Users search, login, config users, config Medicines, search Medicines etc.
  + Validation/services logic built on JAVA.

**Front end**

* Angular

**Tools**

Back end – SpringBoot - Eclipse IDE

Front end – VS code editor.

Database – MYSQL.

REST client – PostMan.