**Project Manager – Quick Setup and Access Details.**

**URL’s:**

**Application Front End URL:** [**http://localhost:4200/**](http://localhost:4200/)

**Application Service URL’s:** [**http://localhost:8000/pmappservice/\*\***](http://localhost:8000/pmappservice/**)

**Jenkins URL:** [**http://localhost:8000/jenkins/**](http://localhost:8000/jenkins/)

**User Credentials:**

**Jenkins:** Username: admin/Password: admin

**Tomcat Admin:** Username: admin/Password: admin

**Tomcat Jenkins User:** Username: admin/Password: admin

**Tech Stack and IDE:**

**Front End:** Angular 7, Bootstrap 4, Angular Material.

**Backend:** JDK 1.8, Spring Boot

**Database:** MYSQL

**Unit Testing:** JUNIT and EMMA

**Performance Testing:**Apache JMeter

**IDE:** VS Code, Eclipse and MYSQL Workbench

**SCM:** Github.

**CI/CD:**Jenkins.

**Github:**

**Angular Project (Front End):** <https://github.com/davdinesh/project-manager-web>

**Spring Boot Project (Back End):** <https://github.com/davdinesh/project-manager-service>

**Jenkins config:**

Two jobs configured for automated build activities for front end and backend.

**Jobs:**

**pmapp-web :**

On executing this job, will get the latest set of source code for front end from Github (reference given above) and perform install, build and deploy on the VM’s node server built In.

**pmapp-service**

On executing this job, will get the latest set of source code for back end from Github (reference given above) and perform maven build and deploy the war (pmappservice) on the tomcat on VM(c:\tomcat\apache\*\*\webapps\).

**Code Setup:**

For Backend – Open eclipse and use pmappservice workspace, code setup available right click on the project to use dev tools to run the spring boot app.

For Frontend – Open VS code and project setup will be available, use built in terminal within vs code and use ng serve run the app.

**Project Details:**

Backend – Spring Boot app configured with rest controller which will handle all CRUD operation using JPA to mysql database for user, project and tasks for given requirements.

Frontend – Will consume the rest api to get, post, put and delete operations for user, project and tasks for given requirements.