

Instructions to run the application locally

1. Step 1 : In IntelliJ Import the TaskManagement project from Git as maven project
Git URL : <https://github.com/naren1898/TaskManagement.git>
Project URL : <https://github.com/naren1898/TaskManagement>
2. Step 2 : Install PGAdmin - PostGres DB and create a DB Task_Management
3. Step 3 : Open pom.xml and download the maven dependencies
4. Step 4 : Right Click on pom.xml, Maven-> Update Project
5. Step 5 : Update DB password in properties file
Properties File path : src/main/resources/application.properties
Parameter to update - `spring.datasource.password=xxxxxxxxxx` (postgresDB password)
6. Step 6 : Right click and run TaskManagementApplication
Server has Started
7. Step 7 : Server has started. Now use the below Postman Collections Document and call the API. <https://documenter.getpostman.com/view/33204789/2sAXqzVd6G>
8. API Order
 - a. Register User
 - b. Login with the registered userName and password
 - c. Create task
 - d. Update task
 - e. View task with search text and pagination
 - f. Delete the task

A brief write-up on approach and any assumptions made.

1. Admin will have access to view and search through all available tasks created by all users.
2. Users can view only the task created by them after login.
3. **After the user has been logged in the server will return back with a token, we have to pass it as a header parameter for subsequent CRUD operations.**
4. At Initial login user has been provisioned with Role as USER, we need to update the user as admin from DB using this query **“update users set role=1 where id=1”**
5. Users can login from multiple devices to access their tasks.