**List of implemented tasks:**

**1.** Backend REST API Spring boot service with addition, edit, retrieve and delete functionalities.

**2.** Angular frontend for user interaction.

**3.** Screenshots and deployment instruction in readme files.

**4.** Automatic trigger date update logic for daily, weekly and monthly recurring events with deletion of older events.

**5.** Deployment on Heroku platform.

**Required Softwares for easier setup:**

1. IntelliJ IDEA

2. Visual Studio Code

**Steps to run the application:**

**1.** Download and install PostgreSQL from <https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>. Ensure that you don't change any default values like port number and make sure to set the **superuser password** as **root**.

**2.** Go to start and open **SQL shell (psql)** command prompt (can be found by typing in the search bar).

**3.** Press enter 4 times and enter root password which is **root**.

**4.** Type the statement "**CREATE DATABASE calendar;**" and press enter.

**5.** Close the command prompt.

**6.** Ensure that **Java 1.8** is installed by typing "**java -version**" in a **normal windows command prompt**. If not then it must be installed to proceed further.

**7.** Open "**MyCalendarBackend**" folder in IntelliJ and go to "**Run**" tab and click on "**Run CalendarCrudApplication**". Wait for it to finish building and for the server to start running. You will see a line like this in the run window if the server is up and running:

"**Tomcat started on port(s): 8080 (http) with context path ''**"

**8.** Ensure that **node** and **angular** are installed by typing "**node -version**" and then "**ng --version**" in a **normal windows command prompt**. If not then they must be installed to proceed further.

**9.** Open "**MyCalendar**" folder in Visual Studio Code and click on "**New Terminal**" in the "**Terminal tab**". Alternatively you can open a **nodeJS command prompt in the folder**.

**10.** Type "**npm install**" to install all the required dependencies.

**11.** Type "**ng serve -o**" to run the Angular frontend application.

Screenshots of the project are present in the "**Screenshots**" folder.

Application is also deployed on <https://my-personal-calendar.herokuapp.com/>

When the application loads, please **register yourself** first to be able to use the application.

**PersonalCalendarDeployed** folder contains deployed version of the code.