**Understanding Document of Guest Book App**

This document is designed for understanding the whole flow and environment to run the Guest Book app.

**Environment tools and project setup**

Windows10

Java 8 or above

STS

Angular 8 (Node 12.13.1,Npm 6.13.4)

MySql 8.0.18

Visual studio code

Maven

git

1. Need to create a DB (guestbook) in mysql on 3306 port 
2. All the tables will be created automatically once the app will start but in case not created table user with below specific column

Graphical user interface, text, application, email

Description automatically generated

3. create table user\_entries with below mention column

Graphical user interface, table

Description automatically generated

4. import the java project GuestBookApp as a maven project in STS from git path or you can clone it from below mention path

<https://github.com/gopalkchaturvedi/GuestBookApp.git>

5. import the Angular source code from

<https://github.com/gopalkchaturvedi/starter-app.git>

**Flow of the Project**

Developer can run this project through two way

1. By STS only (backend & fronend)
2. By STS (backend) and Visual Studio Code(frontend)
3. **By STS only (backend & frontend)**

Need to confirm first the static folder should be downloaded properly and be there in proper place

Text

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If yes then only we can run through this way if static folder not downloaded then other way we have to use to run this project

We can run it in STS using below step right click on GuestBookAppApplication and click on run as java application

Graphical user interface, application

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If run successfully then use the mention url (http://localhost:8080) to check the application

Graphical user interface, text, application, Word

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1. By STS (backend) and Visual Studio Code(frontend)

Need to ensure both backend and frontend code have been checked out from git

To run backend, we have to follow previously mention step

To run frontend separately have to open the checked-out folder in visual studio code by open folder option in file menu

Run ng serve

Or NPM start

A screenshot of a computer

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If run proerly without any issue use the URL (<http://localhost:4200>)

Flow of Application

Step 1:

Type the url <http://localhost:8080/> belw mention screen will display

Graphical user interface, text, application

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If user laready created in DB then enter the user name and password then click on login button it will redired to view entries page.

Click on Register as new user if any user is not reigistered or want to add more user

Graphical user interface

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In register user page enter all the required details and click on Register as new user button it automatically create the session aor move to viewEntrypagge

Graphical user interface, text, application, email

Description automatically generated

In View entry page

All the entered entry will display and other functionality are mention here for adding/updating/deleting new entries

Graphical user interface, application

Description automatically generated

Post click on add new entry user can fill the new entry either as text or image

For Text

Graphical user interface, text, application

Description automatically generated

For image

Graphical user interface, text, application, chat or text message

Description automatically generated

Entry will be save in DB post click on add entries button and it forward to view entries page automatically

user can Approve /Edit /Delete entries as per the option mention in vieEntries page

Graphical user interface

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As per the requirement all the test case are created and running

Logs are maintained using proper Logger library.