

Setup	
Github	
See wiki: Github.pdf	
Database	
Install MySQL	<u>Install MySQL Community Edition</u> Link: http://dev.mysql.com/downloads/ Click: MySQL Community Server Version: 5.7.17 (as of 1/2/2017) - Accept all the default configuration during installation - Some of the components may fail to install. Make sure you have the following installed successfully: MySQL Server, MySQL Workbench, (Connector/ODBC?) - MySQL Root Password: choose a password and remember it
Run the DDL script	Launch MySQL Workbench Run the script located in the repository: \Documentation\Database\C4SG.sql Refresh Schemas. You will see c4sg schema created. Tables are loaded with dummy data.
Backend	
Install IDE	Install your perfered IDE: Eclipse, STS, IntelliJ Idea, etc
Start MySQL	
Eclipse specific	1. Import project File -> Import -> General -> Projects from Folder or Archive Import Source: C4SGSvc Import as: Maven Verify there is no warning or errors
	2. Run application Right click on project: C4SGSvc, Run as: Spring Boot App Verify Last line in console: org.c4sg.C4SgApplication : Started C4SgApplication in 9.852 seconds
Test Backend	Test JSON API in browser: http://localhost:8080/api/project/all The API show returns JSON data
Frontend	
Install IDE	Install your perfered IDE: Sublime, WebStorm, etc
Install Node.js	We install Node.js in order to get npm package manager from Node.js Link: https://nodejs.org/ Version: v6.9.2 LTS (as of 1/2/2017) Accept all the default configuration during installation

Install npm packages	<p>1. Click Windows Start button, launch "Node.js command prompt"</p> <p>2. Run the commands:</p> <pre>> cd <path_to_local_repository>\C4SGWeb</pre> <pre>> npm install</pre> <p>A new folder is created under C4SGWeb: \node_modules</p>
Test Frontend	<p>Run the command:</p> <pre>> npm start</pre> <p>The application is launched in browser: http://localhost:3000/</p> <p>Click Volunteer - > Projects, verify that you can see dummy projects retrieved from database</p>