APPLICATION SET UP DOCUMENT

Version: 1.0

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Project manager

Contents

[Introduction 2](#_Toc534989110)

[Software Requirements and Technology details 2](#_Toc534989111)

[Required Software 2](#_Toc534989112)

[Technology Details 2](#_Toc534989113)

[Setting up the application 2](#_Toc534989114)

[Taking checkout 2](#_Toc534989115)

[Folder Structure 3](#_Toc534989116)

[Client Project 3](#_Toc534989117)

[Server Project 3](#_Toc534989118)

[Running the application 3](#_Toc534989119)

# **Introduction**

This document describes the setup of the application “**Project Manager**” in the local machine for development and debugging purpose.

# **Software Requirements and Technology details**

## **Required Software**

These are the list of the software installed in the system to debug/develop and run the application:

1. Visual Studio 2017
2. Visual Studio Code (preferable latest version)
3. SQL Server Management Studio 2017
4. Google Chrome
5. Node JS v 8.12.0
6. GIT BASH and GIT UI (for connecting to the repository)
7. Open Cover for code coverage
8. Report Generator for generating coverage report
9. NBench for Load testing

# **Technology Details**

These are the list of the technologies used in the application:

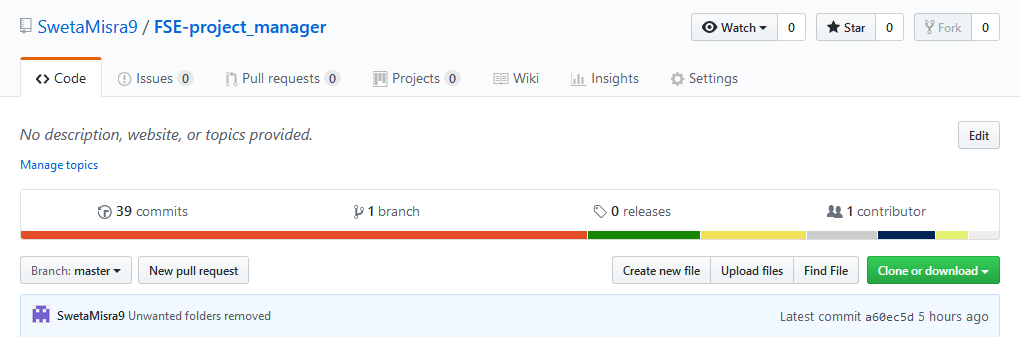
1. Angular 4 (UI)
2. HTML (UI)
3. CSS3 and BOOTSTRAP (UI)
4. .NET Framework
5. Web API 2.0 (C#)
6. Entity Framework (C#)
7. SQL (C#)

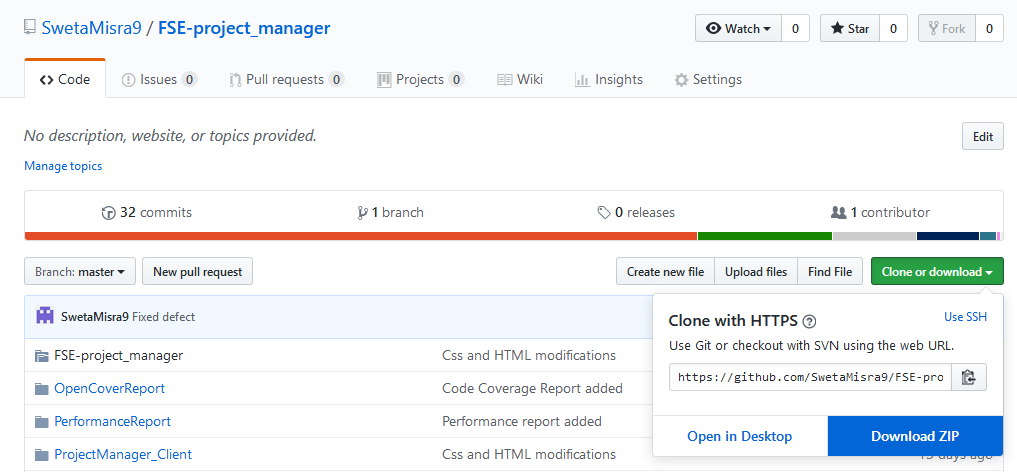
# **Setting up the application**

# **Taking checkout**

1. Visit the URL <https://github.com/SwetaMisra9/FSE-project_manager> where the code is checked in.

1. Click on the “**Clone or download**” button.



1. Once a small pop-up opens, click on the “**Download ZIP**” button.  
   
2. Open the downloaded file and extract the folder (**FSE-project\_manager-master**) to some path on the system.

# **Folder Structure**

In the main folder **FSE-project\_manager-master** there are two folders.

1. ProjectManager\_Client:   
   This folder contains the code for UI application.
2. ProjectManager\_Server:   
   This **folder** contains the C# part of the code.

### 

### ProjectManager\_Client :

1. Go to the path **FSE-project\_manager-master** **/** **ProjectManager\_Client** where you can see the file ***angular.json***
2. Open command prompt
3. Copy the path from Step No. 1
4. Traverse to the path of Step 1 in the command prompt
5. Once you are in this path, run this command “npm install –g -f @angular/cli”
6. After this installation is done, run this command “npm install -f”
7. Let all the npm packages install in the project
8. Once the installation is done you will be able to see a folder “*node\_modules*” in your system
9. Don’t close the command window yet.

### ProjectManager\_Server :

1. Open the folder **FSE-project\_manager-master/ProjectManager\_Server.**
2. Open the file “**ProjectManager.sln**” in Visual Studio 2017.

*Note: While opening the solution if any dialog box appears in Visual Studio, please click OK.*

1. Build the application.
2. Don’t close the Visual Studio 2017 yet.

### ProjectManager\_Database :

1. Open the SQL Server Management Studio
2. Open the folder **FSE-project\_manager-master**/**ProjectManager\_Database** .
3. Run the script “**Project\_Manager\_Database\_DDL.sql**” to create the ProjectManager database.
4. Run the script “**Project\_Manager\_Table\_DDL.sql**” to create the tables for Project Manager.

# **Running the application**

Once the build is succeeded:

1. Open the command prompt and run the command “npm start”
2. Open the visual studio 2017 and select the “**ProjectManager**” project as startup project and press “**Start**” to run the application
3. Once the node modules are built after the step 1, open Google Chrome and enter the URL “**localhost:4200**”