PROJECT MANAGER

This document gives the overview of how to set up the application in the local machine.

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Contents

Introduction

This document describes the setup of the application "**Project Manager**" in the local machine for development and debugging purposes.

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)

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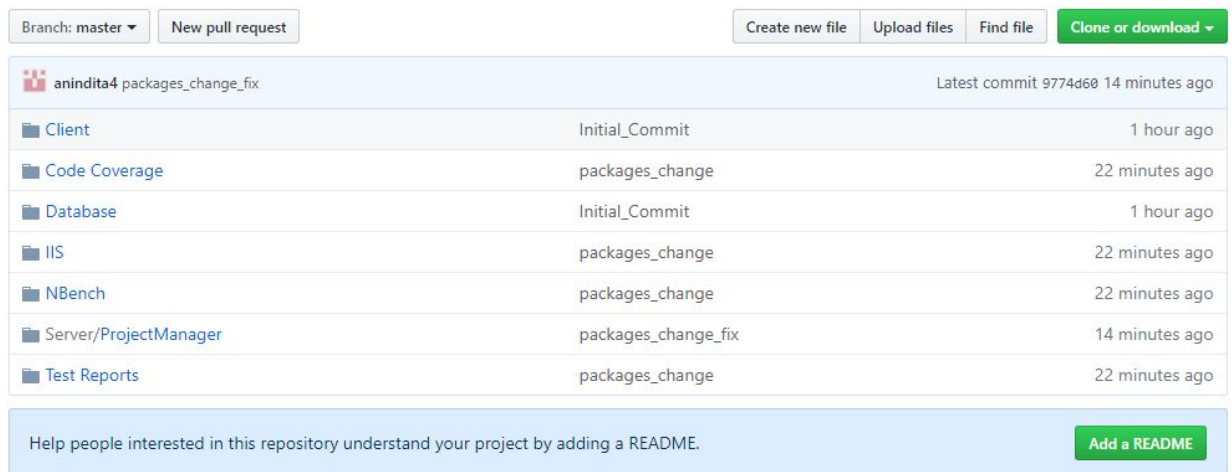These are the list of the technologies used in the application:

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#)
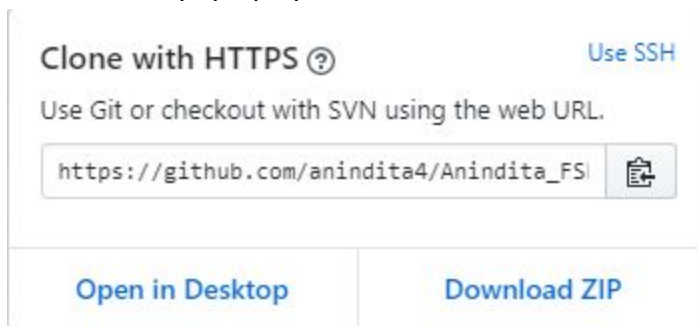7. Microsoft SQL Server

Setting up the application

Taking checkout
1. Visit the URL https://github.com/anindita4/Anindita_FSE where the code is checked in.

2. Click on the "**Clone or download**" button.

3. Once a small pop-up opens, click on the "**Download ZIP**" button.

4. Open the downloaded file and extract the folder (**Anindita_FSE-master**) to some path on the system.

Folder Structure

In the main folder **Anindita_FSE** there are two folders.

1. client:
   This folder contains the angular part of the code.
2. server:
   This folder contains the C# part of the code.

Client

1. Go to the path **Anindita_FSE** 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

Server

1. Open the folder **Anindita_FSE/server/ProjectManager**
2. Open the file "**ProjectManager.sln**" in Visual Studio 2017
3. Build the application
4. Don't close the Visual Studio 2017 yet

Database

1. Open the SQL Server Management Studio
2. Run the script "**CreateDatabase_Script.sql**"
3. Run the script "**CreateTables_Script.sql**"

Running the application

Once the build is succeeded:

1. Open 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**"