**Feedback management system**

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Set up

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

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# Introduction

This document describes the setup of the application “**Feedback Management System**” 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 2019
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 9 (UI)
2. HTML (UI)
3. CSS3 and BOOTSTRAP (UI)
4. .NET Framework
5. Aspnet Core Web API 3.1 (C#)
6. Entity Framework Core (C#)
7. SQL (C#)

# Setting up the application

## Taking checkout

1. Visit the URL <https://github.com/shivasai/FMS> 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 (**FMS**) to some path on the system.

## Folder Structure

In the main folder **FSE-SBA-Final** there are two folders.

1. Fms-client:   
   This folder contains the angular part of the code.
2. FMS\_Web\_Api:   
   This folder contains the Web Api(Business Logic) part of the code.
3. EmailService:   
   This folder contains the Web Api(Email Sending) part of the code.

### Client

1. Go to the path **FMS/fms-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

### Server (FMS\_Web\_Api)

1. Open the folder **FMS/FMS\_Web\_Api**
2. Open the file “**FMS\_Web\_Api.sln**” in Visual Studio 2019
3. Build the application
4. Run the application
5. Don’t close the Visual Studio 2019 yet

### Server (EmailService)

1. Open the folder **FMS/EmailService/EmailApp**
2. Open the file “**EmailApp.sln**” in Visual Studio 2019
3. Build the application
4. Run the application
5. Don’t close the Visual Studio 2019 yet

### Database

1. Open the SQL Server Management Studio
2. Run the script “**script.sql**”

Note: This step should be executed after running **FMS\_Web\_Api** solution because after running Api , database and tables will be created by migrations.

# Running the application

Once the build is succeeded:

1. Open the command prompt and run the command “npm start”
2. Open the visual studio 2019 and select the “**FMS\_Web\_Api**” project as startup project and press “**Start**” to run the application
3. Open the visual studio 2019 and select the “**EmailApp**” project as startup project and press “**Start**” to run the application
4. Once the node modules are built after the step 1, open Google Chrome and enter the URL “**localhost:4200**”