**Grid Beyond Technical Test**

**Technologies used :** Angular 6, AspNet.Core3, C#,Sql Server, ngx-charts

**Tools :** Visual studio 2019 and Visual Code, Sql Server Studio

**Uploaded Files :**

1. Backend Api Project available in BackEndServices Folder (use visual studio to open )
2. Angular UI project available in FrontEndServices Folder (use visual code to open)
3. Gif Video file for demonstrating working application.
4. Test assignment files provided by Grid Beyond

**Installation Guide**

(Please refer the video file named - InstallationGuide.mp4)

1. **Software Prerequisites**
   1. NET Core 3 framework
   2. Visual studio 2019 community edition
   3. IIS Express (this comes with VS 2019 community edition)
   4. Visual Code 1.40.1
   5. SQL Server 2008+
   6. Git for version **control**
2. **Installation steps**
   1. Install all above softwares mentioned above.
   2. Execute Back End Api project:
   3. Open Backend API solution (GenerateGraphApi.sln) in visual studio
   4. Open applicationsetting.jon and correct connection string
   5. Open nuget package manager in the visual studio
   6. Run update-database
   7. install missing packages by right clicking on the solution
   8. Build and run the solution with F5
   9. The swagger page should be displayed with api endpoint
   10. Note down the url of the api.
3. **Execute Angular UI project:**
   1. Open GraphUI folder in Visual code tool .
   2. Open proxy.conf.json file and update the api url.
   3. run npm install command in the visual code terminal
   4. Open terminal of visual code and run ng serve --open
   5. After successful compilation, you should see application UI

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