1 Deployment

We prepared all deployment files there is no need to do the build steps.

**1.1    IIS Setup**

1. Open turn windows features on or off
2. Under .NET framework 4.8 Advanced Services check the following ASP .NET 4.8
3. Under WCF Services check the following:
4. HTTP Activation
5. TCP port sharing
6. Check Internet Information Services Hostable Web Core
7. Under Internet Information Services check the following
8. Under Web Management Tools
9. Check IIS Management Console
10. Under World Wide Web Services check the following
11. Under Advanced Development Features check the following:
12. .Net Extensibility 3.5
13. .Net Extensibility 4.8
14. ASP
15. ASP.Net 3.5
16. ASP.Net 4.8
17. ISAPI Extensions
18. ISAPI Filters
19. Under common HTTP Features check the following:
20. Default Document
21. Directory Browsing
22. HTTP Errors
23. HTTP Redirection
24. Static content
25. Under Health and Diagnostics check the following:
26. HTTP Logging
27. Under Performance Features check the following:
28. Static Content Compression
29. Under Security check the following:
30. Request Filtering
31. Click ok.
32. Done.

**1.2    Python Environment**

The python environment is already compressed with the deployment files uncompressed at the following path:-

C:\Users\[user]\AppData\Local\

The models are also compressed, uncompress them in any folder and get their paths.

**1.3** **Frontend Angular Code Building**

**- Building Step**

1. Navigate to Source Code
2. Make sure node\_modules are installed
3. If not type: npm install
4. If npm install gives an error then type npm install --legacy-peer-deps instead
5. Type npm run publishNoHashTest
6. The build will be found in this directory dist folder

**- Deployment Step**

1. Open IIS
2. Add new website choose ports (2999)
3. Choose physical path …/Frontend
4. Start website

**1.4** **Backend .NET (C#) Code Building**

**- Building Step**

1. Navigate to Source Code
2. Right-Click on EGService.WebAPI
3. Choose publish
4. Choose build directory
5. Publish

**- Deployment Step**

1. Open IIS
2. Add new website choose ports (port:46770)
3. Choose physical path … / Backend
4. Open appsettings.json
5. Change connection string to your database
6. Change model paths to the path of saved models
7. Change the PythonDLL path to C:\Users\[user]\AppData\Local\python-3.7.3-embed-amd64\python37.dll
8. Start website