**Steps to deploy your web application using IIS**

Our application has mainly two components, the front-end built using Angular 7 and the back-end built using ASP.NET Web API. Please follow these steps to successfully deploy this website.

Steps to deploy the Angular App

1. Ensure you take latest of the code using the command ‘git fetch origin master’ followed by a ‘git pull’. If you do not have the repository already cloned, use the ‘git clone git@github.com:jebinbabugeorge/AKQA.git’ and should be able download the repository.
2. Open Visual Studio Code and open the ‘AKQA.FrontEnd’ folder. Run ‘npm install’ to download any package required for the project. Afterwards, run the ‘ng build –prod –base-href /AKQA/’ command to build the Angular app.
3. The output of the build can be seen in the outputPath mentioned in the angular.json file. By default, it will be in dist/AKQA.
4. Copy the files in this folder and paste it in the wwwroot folder in the C drive. Open inetmgr to create a web application for our website.
5. Make sure you provide the Alias name same as the base-href value mentioned before. In our case, it is going to be AKQA.
6. Please install the version of URL Rewrite Module that is applicable to your server’s IIS version. You can find the installer for IIS 10 [here](https://www.microsoft.com/en-us/download/details.aspx?id=47337). This is a one-time step that needs to be done if it is not already installed.
7. Type in the URL in a browser and check if the web page is rendering the html.

Steps to deploy the Web API App

1. Ensure you take latest of the code using the command ‘git fetch origin master’ followed by a ‘git pull’. If you do not have the repository already cloned, use the ‘git clone git@github.com:jebinbabugeorge/AKQA.git’ and should be able download the repository.
2. Open the solution using Visual Studio 2017 or Visual Studio 2019 from the folder AKQA.Backend.
3. Change the release option from Debug to Release. Clean the solution and build it.
4. Right click the web project and select the option ‘Publish’. This will create a virtual directory for the back-end and publish the required files to the virtual directory.
5. Open Postman and test one of the API to see if it returns the desired output.