Deployment Guidelines(Frontend)

Overview:

We used React to implement the frontend application, the existing build settings work perfectly for AWS services. The deployment process is very easy, please follow the steps below. In case if you want to redeploy the application on different online hosts, you may need to reconfigure the build settings.

AWS Amplify is used in this demonstration. However, this application also works with other AWS services such as AWS S3. Moreover, this application can also be connected and Deployed with GIT.

Please note: The application is already built in the handover folder, you can skip to STEP 2 if you just want to deploy the application.
Two short videos are also attached for each step, please feel free to watch them.
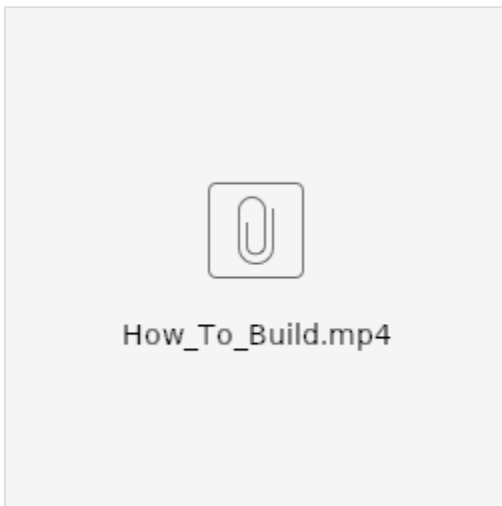
Minimum Requirement:

1. An AWS account
2. Frontend source code folder

STEP1: Build the application locally

1. Open up your favorite command-line interface (e.g. Command Prompt(CMD), VSCode terminal, Shell ....)
2. Redirect to the root folder of the frontend source codes. (e.g frontend\idecide)
3. Enter "npm run-script build"
4. The build process is completely automatic, it usually takes less than 1 minute
5. A folder named "Build" will appear, you will need to this folder in STEP2

A video walkthrough is attached below for your convenience, please enjoy:

How_To_Build.mp4

STEP2: Deploy the application on AWS

1. Head to: https://aws.amazon.com/
2. Click the "Sign In to the Console" button on the top-right corner
3. Enter your credentials to log in
4. In the search field, enter "amplify", and then select "AWS Amplify"
5. If you have not got any apps running on Amplify, please click the "Get started" button in the Deploy section, and then go to step 8
6. If you have applications currently running on Amplify, and you want to create a new application, click the "Connect app" button, and then go to step 8
7. If you have applications currently running on Amplify, and you want to update the existing application, click the application, and then go to step 8
8. Select "Deploy without git provider", and then click "Continue"
9. Enter your desired name for this application, and then select the "Drag and drop" method
10. Click the "Save and deploy" button on the botto-left corner, the application will be deployed in a few minutes.
11. AWS will automatically generate a free domain link for this application. However, you can feel free to use your own domain name by going to the Domain management section.

A video walkthrough is attached below for your convenience, please enjoy:

How_Deploy_AWS.mp4