Electron Demo

- Install Electron

  o npm i electron –save-dev

- Then install electron-packager for converting into "exe" file

  o npm i electron-packager –save-dev

- Now write code for creating a window for our app

```javascript
const { app, BrowserWindow } = require("electron");
 const createWindow = () => {
const win = new BrowserWindow ({
width: 900,          height: 600,
icon: __dirname+"image.ico"
    });
win.loadURL("http://www.holmiumtechnologies.com/") }
app.whenReady() .then(createWindow);
```

Width, height = To set the window default height and width

win.loadURL = for loading the URL

       OR

win.loadFile = for loading a particular file

- **Now for making ".exe" some changes to be done in "package.json" o In "scripts" add the following lines**

"package-win": "electron-packager . holmium --overwrite --asar=true -platform=win32 --arch=ia32 --icon=assets/icons/win/icon.ico --prune=true -out=release-builds --version-string.CompanyName=CE --versionstring.FileDescription=CE --version-string.ProductName='holmium'"

- Now for converting it into "exe" run the following command
    - o   npm run package-win
- Now some changes to be done in ==package.json== file
    - o   In =="Script"== add =="electron-start": "electron ."==
- Now to run the Electron App run the following command
    - o   npm start

Now For Attach the Backend with Electron

1. Require Your Server node js file in Electron File
    a.   const server = require("./server.js")

Now Create the Electron app with

Angular as Front End

Node JS as Backend

Step 1:

Create an Angular App

Step 2:

Create the server with Express.js

Step 3:

Now Build the Angular App with the following command

1. **ng build --base-href "./"**
   for API call in Angular visit the following link
   https://www.youtube.com/watch?v=RSJxWJ6dCL4

Step 4:

After Creating the build include the path of your index.html (Build) in your Electron file with the following syntax.

mainWindow.loadFile('./dist/demo/index.html')

Step 5:

Now for run the Electron app enter the following command

npm run electron-start

Git Repository Link

https://github.com/sud0107/angular_express_electron