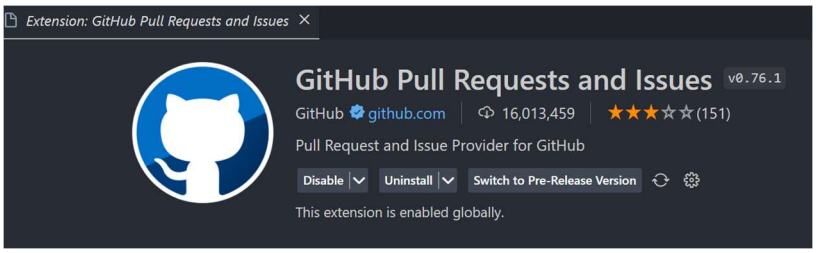
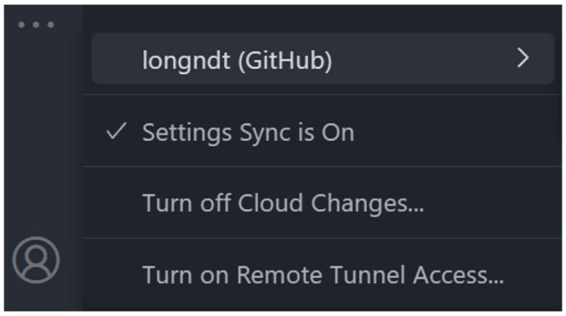
Deploy ExpressJS web app to Render cloud

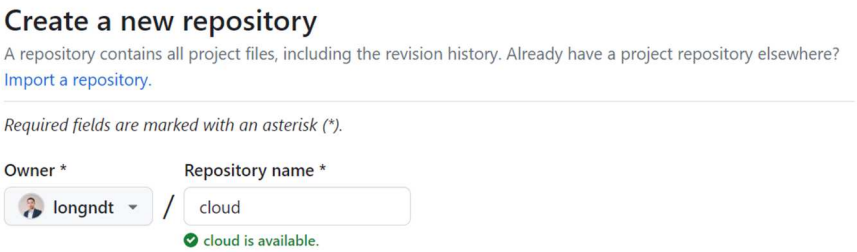
- **Preparation:**
  - Install extension "*GitHub Pull Requests and Issues*" on VS Code



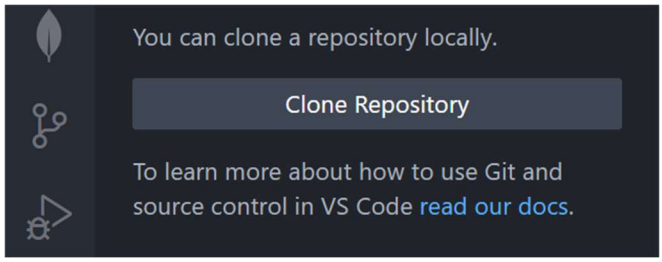
  - Log in with GitHub account on VS Code

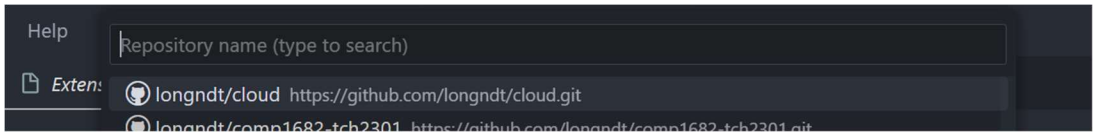


- **Deployment:**
  - Create new repository on GitHub

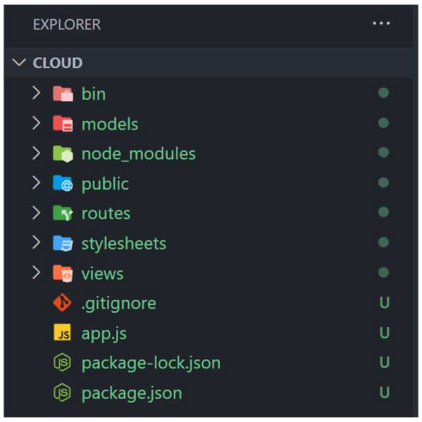


  - Clone repository to PC with VS Code: Click "Clone Repository" and select the created repository

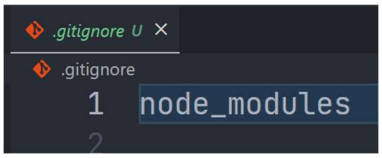




- Prepare codes to add to the local repository (folder)
  - *Case 1:* Code is already available => Copy code to here
  - *Case 2:* Code is not available yet => Start writing code



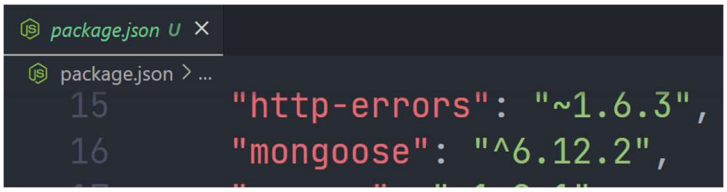
  - *Note 1:* Add file **.gitignore** to exclude "***node_modules***" folder



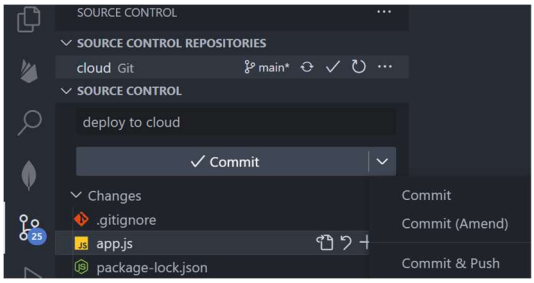
  - *Note 2:* Make sure that the db connection string (uri) is from Mongo Atlas (cloud) instead of MongoDB server (local)

  - *Note 3:* Config port for cloud deployment in file **app.js**

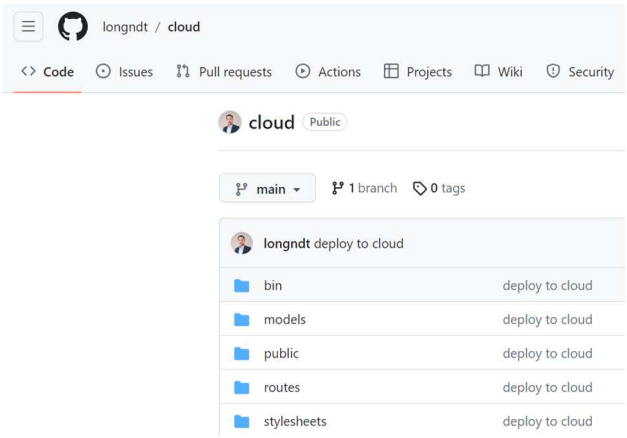
  - *Note 4:* Set proper mongoose version (5.x or 6.x) in file **package.json.** *Ignore this if you already installed proper version in project setup*



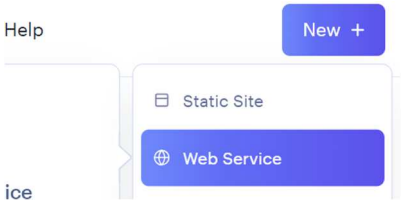
- Push code to GitHub repository with Source Control (*CTRL + Shift + G*)
  - Insert a commit message
  - Select "**Commit & Push**"



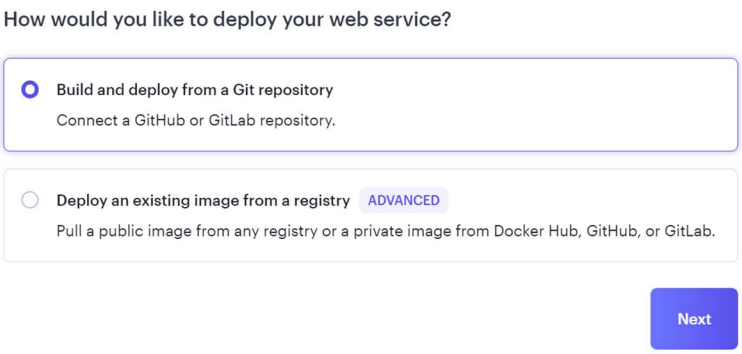
- Check for the existence of code on GitHub



- Create new Web Service on Render



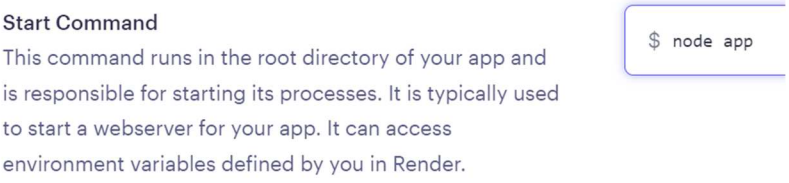
- Select option "***Build and deploy from a Git repository***"



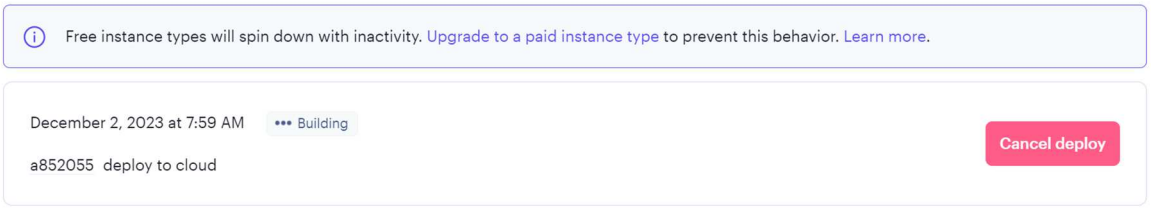
- Connect to the previous GitHub repository

- Enter a unique name (any name, no duplicate) for that web service.
  This name will become a part of website's domain name

- Enter start command: **node app**



- Click "**Create Web Service**" to finish website deployment
- Wait for deployment to be successful *(may take few minutes)*



- Website is **live** => Done