



Lab:

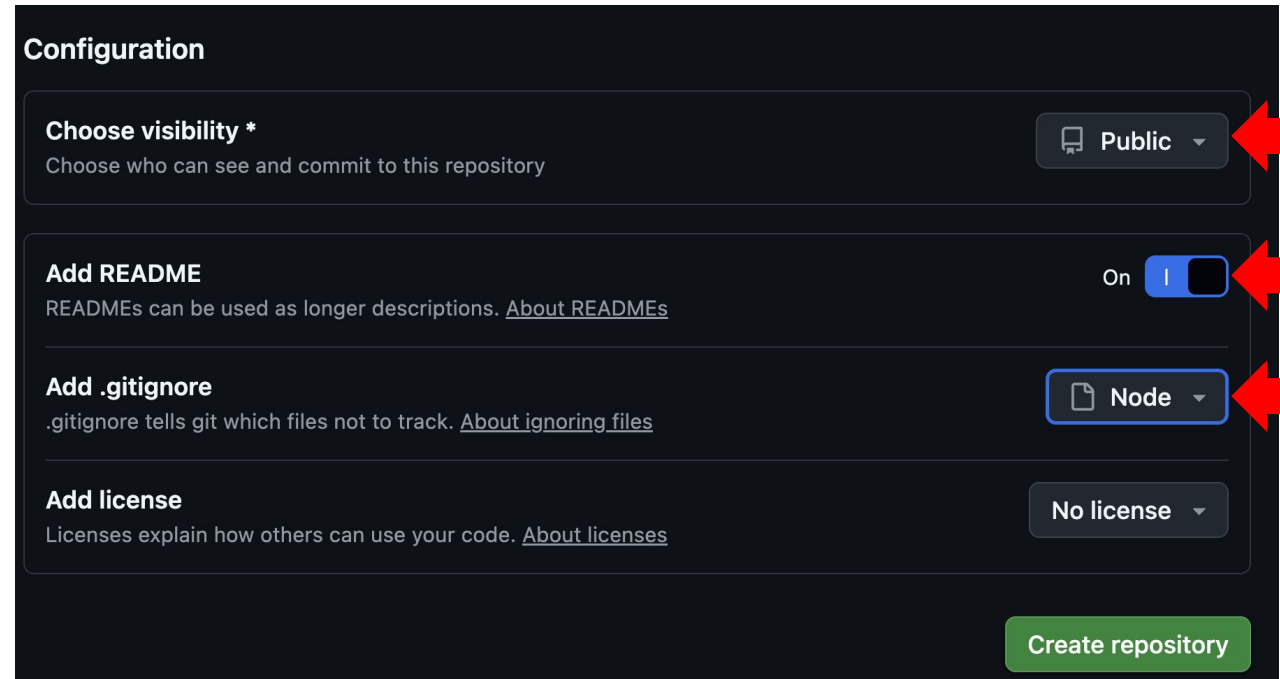
Setting up GitHub and Docker Hub

Logging into GitHub

- This course uses GitHub and GitHub Codespaces
 - You will need a GitHub account to perform the activities
- **If you have a GitHub account** you can use for this class, log into your account: www.github.com
- **If you do not have a GitHub account** you can use for this class, create a new GitHub account:
 - Go to www.github.com and sign up using an email address you have access to

Creating a GitHub Repository

- In GitHub, create a new repository, with the following settings:
 - Repository name: `eventsapp`
 - Set *visibility* to **Public**
 - Set *Add README* to **On**
 - Add a *.gitignore* for **Node**
- Make a note of the repo address (copy and save it somewhere)



The screenshot shows the 'Configuration' section of the GitHub repository creation interface. It includes four settings: 'Choose visibility *' set to 'Public', 'Add README' set to 'On', 'Add .gitignore' set to 'Node', and 'Add license' set to 'No license'. A green 'Create repository' button is at the bottom right. Three red arrows point to the 'Public' dropdown, the 'On' toggle, and the 'Node' dropdown respectively.

Configuration

Choose visibility *
Choose who can see and commit to this repository

Public

Add README
READMEs can be used as longer descriptions. [About READMEs](#)

On ☒

Add .gitignore
.gitignore tells git which files not to track. [About ignoring files](#)

Node

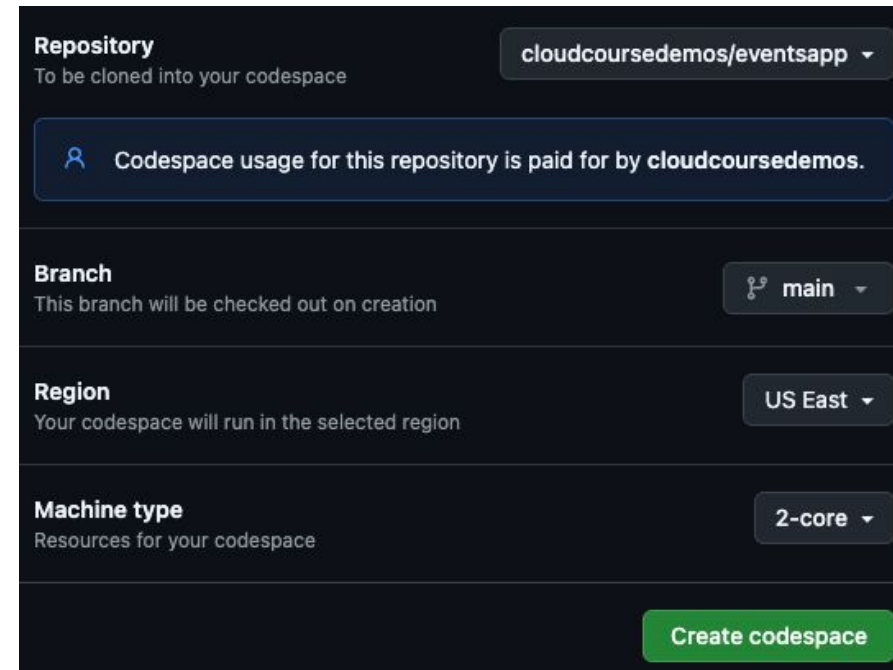
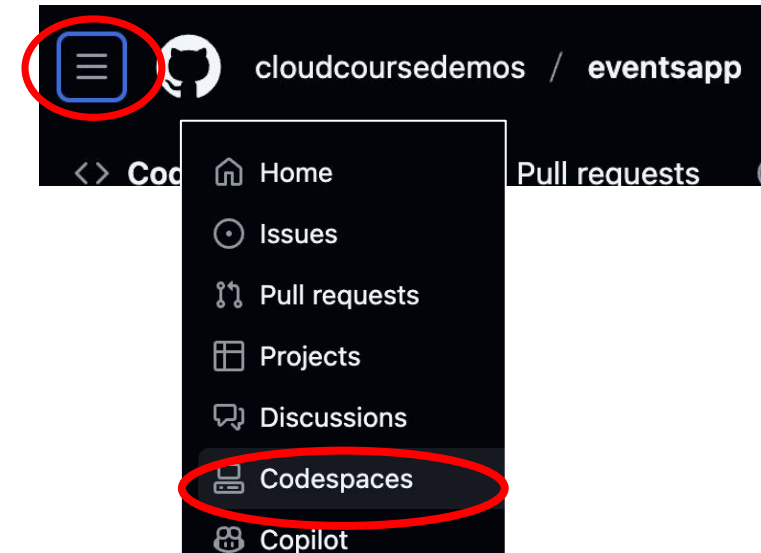
Add license
Licenses explain how others can use your code. [About licenses](#)

No license

Create repository

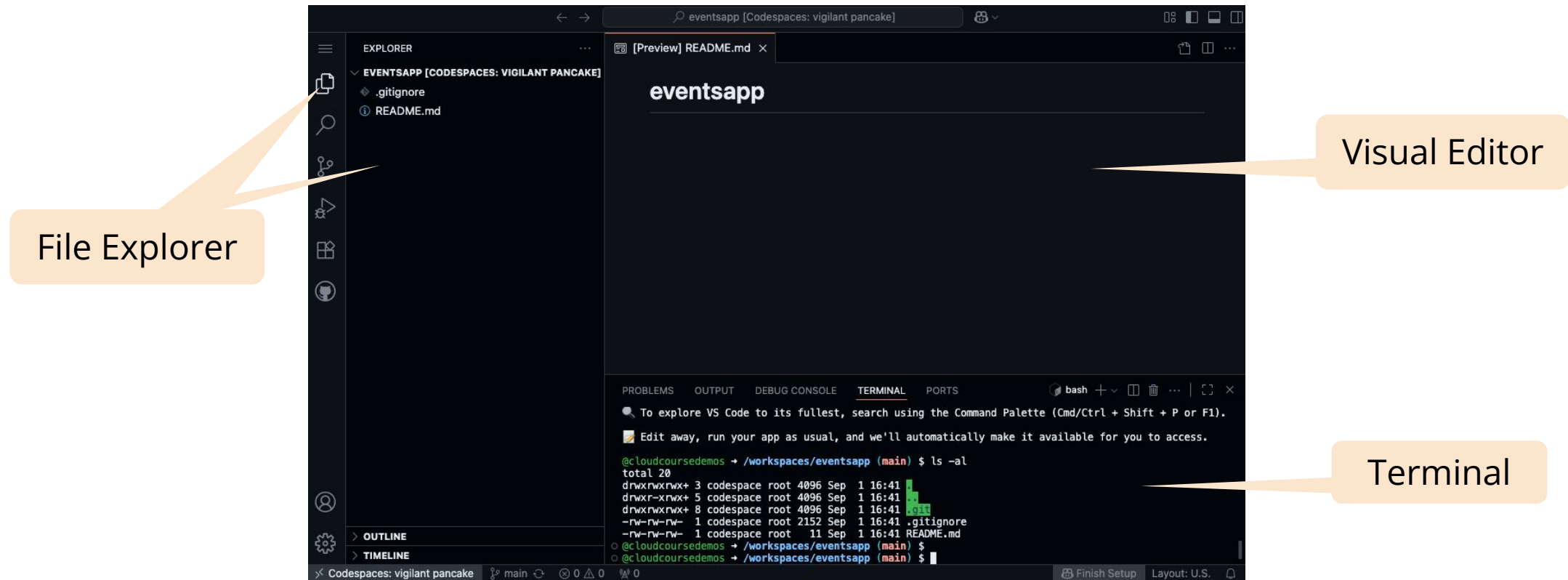
Launch Codespaces

- Once the repo is created, click the navigational menu at the top left
 - And select **Codespaces**
- Click the **New codespace** button and set:
 - The repository to the **eventsapp** you just created
 - Branch: **main**
 - Region: something close to you
 - Machine type: **2-core**
 - Click the **Create codespace** button



Launch Codespaces (continued)

- You should see a codespaces screen similar to below:



- In the terminal window, type: `ls -al`
- In the File Explorer, click the `.gitignore` to view it in the visual editor

Codespaces Preinstalled Software

- Codespaces comes with most software needed for this course preinstalled
 - Git
 - Docker
 - node.js
 - kubectl
 - Helm
 - Minikube
- Feel free to experiment in the terminal window
- Codespace sessions turn off after 30 minutes in inactivity
 - No files are lost and you just turn it back on when needed

Logging into Docker Hub

- This course uses Docker Hub to store container images
- **If you have a Docker Hub account** you can use for this class, log into your account: hub.docker.com
- **If you do not have a Docker Hub account** you can use for this class, create a new Docker Hub account:
 - Go to hub.docker.com and sign up using an email address you have access to
 - Be sure to check your email and verify your account
- There is nothing to do just yet, just ensure you have an account to use in the class

Success!

- **Congratulations!** You have successfully set up GitHub and DockerHub