Github Public Repository Exercise

Part A

Create an application that replicates the structure of a **public** github repository.
The application will be exposed using REST api endpoint that will receive the following parameters:

- Github Owner Name
- Github Repository Name

Please note:

- The application will use the github public api in order to retrieve the tree of the repository.
- If there are few different branches, retrieve the master/main branch only.
- Validate the input, check if the repository exists and return a message accordingly.
- **Don't** use the recursive option when retrieving a tree
- **Bonus**: Use AWS lambda and API Gateway as a solution

Example (Link to the actual repository - https://github.com/githubtraining/hellogitworld)

Input

- Owner: githubtraining
- Repository: hellogitworld

Output

- resources
    - labels.properties
- src
    - main/java/com/github
        - App.java
    - test/java/com/github
        - AppTest.java
    - Division.groovy
    - Main.groovy
    - Square.groovy
    - Subtract.groovy
    - Sum.groovy
- .gitattributes
- .gitignore
- .travis.yml
- README.txt
- build.gradle
- fix.txt
- ...

Part B

Create a single page web application called **retreev** (or anything you find suitable) that will use the API that you have implemented in part A.

Your app should support these features:

- Login and register
- Authentication
- A main page that lets you retrieve a tree from github and renders it

Bonus:

- History results
- Nicely renders the tree
- Theme