

# Backend developer task

## Acceptance criteria:

1. As an api consumer, given username and header "Accept: application/json", I would like to list all his github repositories, which are not forks. Information, which I require in the response, is:
  - 1.1. Repository Name
  - 1.2. Owner Login
  - 1.3. For each branch it's name and last commit sha
2. As an api consumer, given not existing github user, I would like to receive 404 response in such a format:

```
{
  "status": ${responseCode}
  "Message": ${whyHasItHappened}
}
```
3. As an api consumer, given header "Accept: application/xml", I would like to receive 406 response in such a format:

```
{
  "status": ${responseCode}
  "Message": ${whyHasItHappened}
}
```

## Notes:

1. Please full-fill the given acceptance criteria, delivering us your best code compliant with industry standards.
2. Please use <https://developer.github.com/v3> as a backing API
3. Please write your api spec in swagger yaml file
4. Application should have a proper [README.md](#) file
5. **Please use any reactive framework of Your choice**
6. Proper unit and integration test cases

## Extended challenge:

- Prepare Dockerfile so that app can be run in a container
- Prepare CloudFormation scripts so that the containerized app will be run as a Fargate service (or directly in ECS - You choose)
- Prepare CloudFormation scripts, that will create API Gateway and expose the app thru it

- Prepare Jenkins pipeline, that will build the app and deploy it to AWS using scripts from steps above (use free tier AWS account)