

Continuous Delivery

Assignment 03

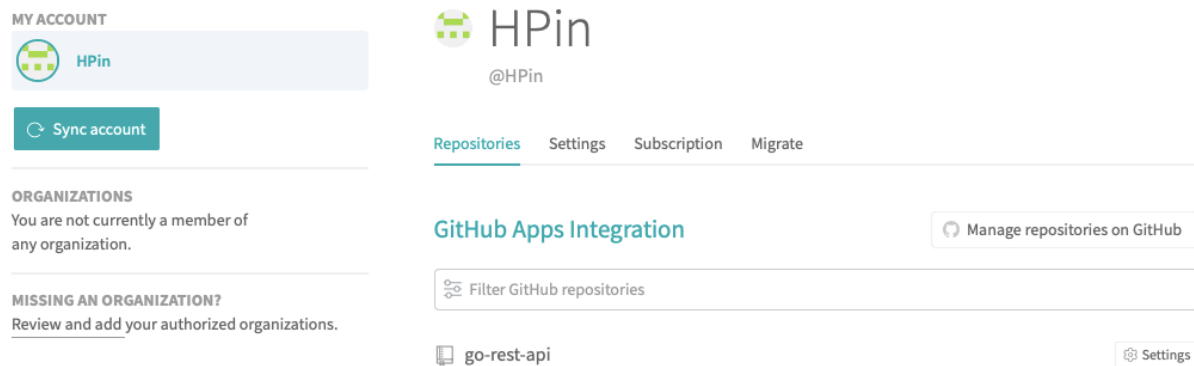
Harald Pinski (S1910455003)

1 Go REST API

Task: Install Travis CI

GitHub: <https://github.com/HPin/go-rest-api>

1.1 Activate for the GitHub project



1.2 Add .travis.yml file

```
! .travis.yml
1  os: linux
2
3  language: go
4
5  go:
6    - 1.14.x
7
8  services:
9    - postgresql
10   - docker
11
12  script:
13    - go test -v ./...
```

1.3 Add the build status indicator to the readme file

I added this line:

```
[![Build Status](https://travis-ci.com/HPin/go-rest-api.svg?branch=master)](https://travis-ci.com/HPin/go-rest-api)
```

1.4 Commit and Push

But, my build was failing. There seemed to be some sort of database credential issue with postgres. After investigating, I realized that Travis can't access the local env variables I used previously to store the db credentials. So I just replaced them with hardcoded credentials in the go files. Afterwards I committed and pushed again and the triggered build passed:

The screenshot displays the Travis CI interface for the repository **HPin / go-rest-api**. The build status is **passing**. The build log shows the following steps:

- Commit 3d350d6
- Compare 20e2896..3d350d6
- Branch master
- HPin
- Go: 1.14.x
- AMD64

The build log also indicates that the build ran for 36 seconds and was triggered 2 minutes ago. The log output shows the following commands and their results:

```
106 $ travis_install_go_dependencies 1.14.x -v
114 $ go test -v ./...
115 == RUN TestEmptyTable
116 --- PASS: TestEmptyTable (0.00s)
117 == RUN TestGetNonExistentProduct
118 --- PASS: TestGetNonExistentProduct (0.00s)
119 == RUN TestCreateProduct
120 --- PASS: TestCreateProduct (0.00s)
121 == RUN TestGetProduct
122 --- PASS: TestGetProduct (0.00s)
123 == RUN TestUpdateProduct
124 --- PASS: TestUpdateProduct (0.00s)
125 == RUN TestDeleteProduct
126 --- PASS: TestDeleteProduct (0.00s)
127 == RUN TestGetRandomProduct
128 --- PASS: TestGetRandomProduct (0.00s)
129 == RUN TestGetNumberOfProducts
130 --- PASS: TestGetNumberOfProducts (0.00s)
131 == RUN TestGetHTMLTable
132 --- PASS: TestGetHTMLTable (0.00s)
133 PASS
134 ok      github.com/HPin/go-rest-api    0.023s
135 The command "go test -v ./..." exited with 0.
136
137
138 Done. Your build exited with 0.
```