

# Exam on Loan Calculator Test Plan Implementation

## Technical Guide

### I. Application Container (Docker image) Download and Test Run:

Using the provided docker image pulled the image and ran in the local machine.

```
Server: Docker Engine - Community
Engine:
  Version:          19.03.8
  API version:      1.40 (minimum version 1.12)
  Go version:       go1.12.17
  Git commit:       afacb8b
  Built:            Wed Mar 11 01:29:16 2020
  OS/Arch:          linux/amd64
  Experimental:     false
containerd:
  Version:          v1.2.13
  GitCommit:       7ad184331fa3e55e52b890ea95e65ba581ae3429
runc:
  Version:          1.0.0-rc10
  GitCommit:       dc9208a3303feef5b3839f4323d9beb36df0a9dd
docker-init:
  Version:          0.18.0
  GitCommit:       fec3683
Florantes-MacBook-Pro:hoegh-exam fbnavaja$ clear

Florantes-MacBook-Pro:hoegh-exam fbnavaja$ docker pull yves/testtask:latest
latest: Pulling from yves/testtask
911c6d0c7995: Pull complete
131e13eca73f: Pull complete
95376bf29516: Pull complete
6717402ec973: Pull complete
930e19d04802: Pull complete
9819bbb6e42: Pull complete
Digest: sha256:3be97e46703d1eccc00dd4ca2d24da8edd63ba686775988a7a1730e4ca84d89b
Status: Downloaded newer image for yves/testtask:latest
docker.io/yves/testtask:latest
Florantes-MacBook-Pro:hoegh-exam fbnavaja$ docker run -t -p 38080:80 --rm yves/testtask:latest
172.17.0.1 - - [20/Jun/2020:22:56:06 +0000] "GET / HTTP/1.1" 200 - "-" Mozilla/5.0 (Macintosh
; Intel Mac OS X 10_15_4) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.106 Safari/5
37.36"
172.17.0.1 - - [20/Jun/2020:22:56:06 +0000] "GET /manifest.json HTTP/1.1" 200 - "http://localh
ost:38080/" Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_4) AppleWebKit/537.36 (KHTML, like G
```

### II. Test Access to the web application via localhost and port 38080

Using the Chrome browser, accessed the Loan Calculator page thru localhost and port 38080 and tested a sample form input and submission.

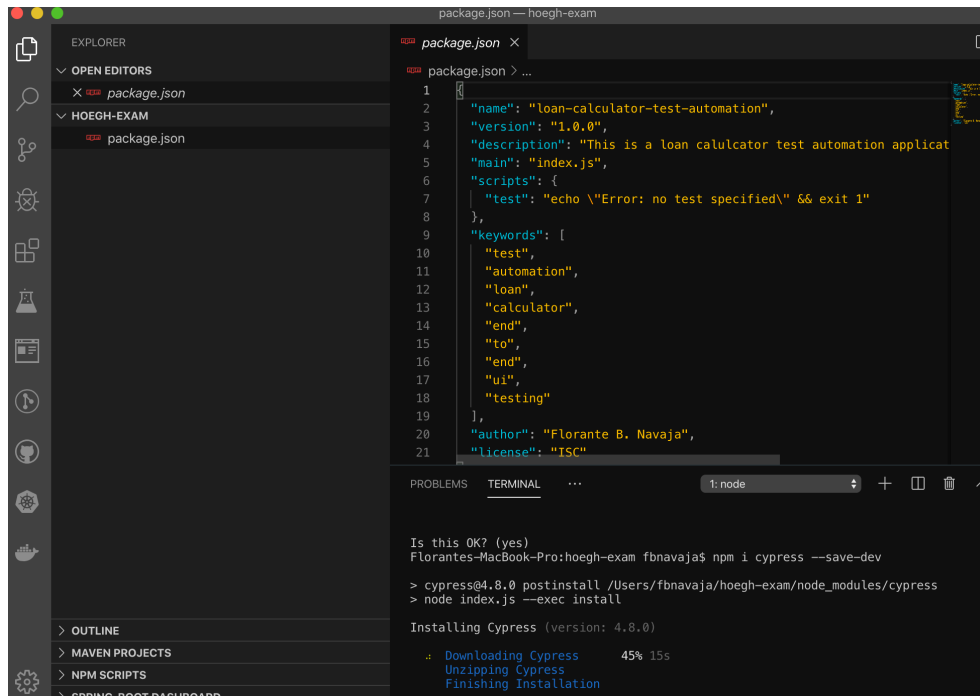
Loan Calculator

Loan amount:  Loan period (years):

MONTH	INSTALLMENT	INTEREST	REMAINING AMOUNT
1	40.08	2.96	2364.72
2	40.08	2.91	2324.64
3	40.08	2.86	2284.56

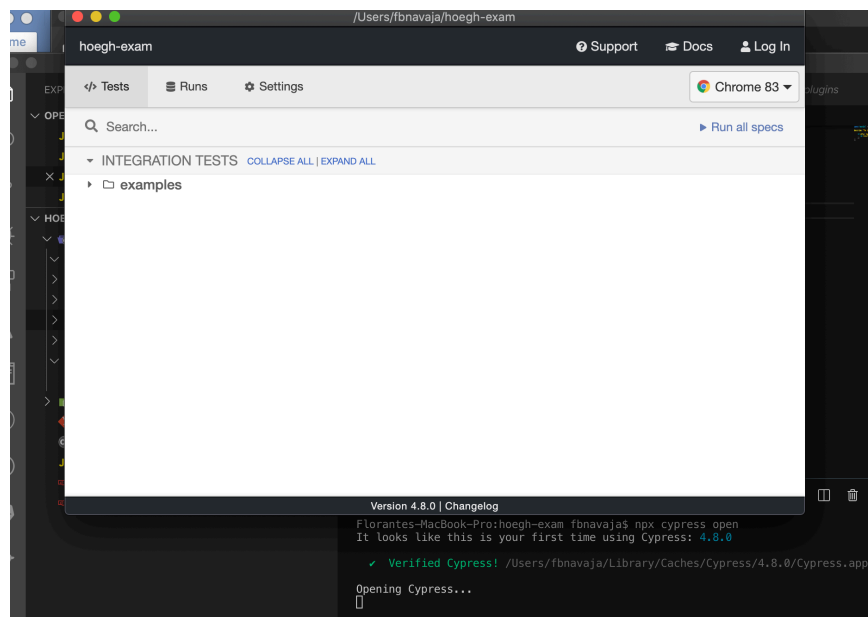
### III. Setup of Workspace/Development Environment

Using Visual Studio Code, set up the test automation development environment by installing cypress as dev dependency



### IV. Initial cypress run

Run the cypress framework by executing the command '**npx cypress open**' a sample structure is created on the workspace and cypress window opens.



## V. Try first cypress test [Page Load]

Created an initial test script which validates that the page for the Loan Calculator is opened if the url `http://localhost:38080/` is accessed.

