

CS 362 In-Class Exercise: Project Beta Testing

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Project that you are testing: Team 6 - NourishQuest

PART-1: Organization and Purpose

Q1) Does the repository provide a README explaining the purpose of the software? If yes, based on reading that documentation, do you understand all the interesting features provided by the software? Do you have any advice to improve that documentation?

Documentation is well organized by different tabs and even its own wiki. I found this particularly impressive and useful for navigating the large amount of information. The information isn't as thorough as hoped though. It appears there is two separation use case sections but neither seems to be sufficient. The full features of the project are listed well but I don't believe it shows enough on how to effectively use the website and what for.

PART-2: Installation and Setup

Q2) Is the documentation to install or setup the software available? (Note that for web application, it would be a URL to access the website and instructions to host the website on a server). When following the instructions, do you face any difficulties while installing the software (accessing the URL for a website)? If yes, please explicitly state what issues you encountered, so that the project team can fix them.

NOTE: If you are testing a web application, then you do not need to set up a web server and try hosting the web application. Just go through the documentation to find out if it clearly explains the steps to host the website.

All my teammates seemed to get the site to boot without errors, but I came into some issues, and therefor did my assessment on my teammates computer.

I downloaded the repository onto my computer and unzipped the files. I then ran the instructions and here are the results:

```
PS Z:\cs362\Group-6-Project-main\Group-6-Project-main\NourishQuest> npm i
up to date, audited 455 packages in 9s

64 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
PS Z:\cs362\Group-6-Project-main\Group-6-Project-main\NourishQuest> npm run start

> nourishquest@1.0.0 start
> node server.js

node:internal/modules/cjs/loader:1146
  throw err;
  ^

Error: Cannot find module 'Z:\cs362\Group-6-Project-main\Group-6-Project-main\NourishQuest\node_modules\bCRYPT\lib\binding\napi-v3\bCRYPT.lib.node'
Require stack:
- Z:\cs362\Group-6-Project-main\Group-6-Project-main\NourishQuest\node_modules\bCRYPT\bCRYPT.js
- Z:\cs362\Group-6-Project-main\Group-6-Project-main\NourishQuest\server.js
    at Module._resolveFilename (node:internal/modules/cjs/loader:1143:15)
    at Module._load (node:internal/modules/cjs/loader:984:27)
    at Module.require (node:internal/modules/cjs/loader:1231:19)
    at require (node:internal/modules/helpers:179:18)
    at Object.<anonymous> (Z:\cs362\Group-6-Project-main\Group-6-Project-main\NourishQuest\node_modules\bCRYPT\bCRYPT.js:6:16)
    at Module._compile (node:internal/modules/cjs/loader:1369:14)
    at Module._extensions..js (node:internal/modules/cjs/loader:1427:10)
    at Module._load (node:internal/modules/cjs/loader:1206:32)
    at Module._load (node:internal/modules/cjs/loader:1022:12)
    at Module.require (node:internal/modules/cjs/loader:1231:19) {
  code: 'MODULE_NOT_FOUND',
  requireStack: [
    'Z:\cs362\Group-6-Project-main\Group-6-Project-main\NourishQuest\node_modules\bCRYPT\bCRYPT.js',
    'Z:\cs362\Group-6-Project-main\Group-6-Project-main\NourishQuest\server.js'
  ]
}
```

I'm not sure what the issue is and may end up being a me issue. I am on windows 10 and ran this in vs code. Hope you're able to fix it!

PART-2: Functional and Non-Functional Testing

Q3) Select a use case for the application-under-test and use your creativity to test the application in different possible ways. For example, if you are testing a login functionality, then test the sign up feature, sign in, adding invalid credentials, special characters, etc. Please provide the details of the use case you tested on the software by describing exactly what all you did and in what order? Make sure you are making notes while doing this. If you find any issues (e.g., something that was confusing, incorrect, or not working at all), please provide as many details as you can to replicate the issues so that the team can fix them.

I selected the food use case. I tested many cases and I am getting slightly weird and inconsistent results. It appears that a lot of basic foods do not exist, such as “pizza”, “taco” or similar. This can be because its not an ingredient, but to me it seems it is not pulling relevant information. I’m not sure if this is a feature or a bug of the data the website is pulling from. Assumedly it would have these things with a general nutritional values, but rather it seems to pull only the most basic of foods, such as ‘single ingredient’ foods like an apple. Of course this can be helpful but it seems like its not the full functionality needed.

It appears the the tabs for filtering vegan and vegetarian seem to work. I tested it with a results in the search bar and it told me if my chicken was vegan or not (it was not). I tested pressing them in repeated order and in multiple combinations and it appears all results are expected. With nothing in the search bar pressing these button brings up the same list of a few things. I’m not sure if these items match the criteria, but it was the same for each tab.

For the number of displayed items, it appears to not work whatsoever. On a page of nothing search, the number does not match of items appearing. When I increase the number of decrease it, the numbers do appear to grow and shrink accordingly, but never to the correct amount. When searching, it appears it does the same, but appears even with the most basic of searches a very small amount of items come up. Again not sure if this is a feature or a bug of the project.

I tested typing multiple kinds of gibberish and some sql code into the search bar. Nothing out the of the ordinary happened, with a error code 500.