Sidibaba Simpara

Goal: I want to get a better understanding of Git and GitHub. Expand my understanding with other programming languages such as JS and php.

William Chokbengboune

Goal: I would like to learn how to adapt to new technologies on the fly and react to the changes within a working environment. Breaking down questions and finding out the needs of the client faster would be a good skill to pickup as well.

Hieu Do

Goal: I want to gain knowledge about coding, to adapt new technologies, and to have a chance to work with real clients. For the platform, I think web is acceptable. For the framework, I think I will use Vue.

Charles Sarpong

Goal: my goal is to obtain very helpful information on coding, being able to learn and teach different things about coding. Have a chance to showcase my skills and be able to answer more questions than i ever did.

Scale(1 - 5):

1 = very important

5 = not that important

Functional Requirements:

1. Have a connection between students and their coursework to the required skills of the current roles in the IT job marketplace.
   1. 1
      1. The purpose of this project revolves around connecting students with skills that matches their coursework
2. Databases must store IT courses, skills, and other relevant information.
   1. 1
      1. Database must be up to date with all required information for the web application to function properly and sort the information.
3. Queries must properly match skill descriptions to classes and jobs.
   1. 2
      1. If skills don’t match up, then there will be a waste of resources on both parties (user and developer).
4. Courses, job, and relevant skills must match.
   1. 2
      1. Having the correct information pair allows for the querying to move more smoothly, bring assurance, and can make the searching easier.
5. Jobs must be updated periodically.
   1. 3
      1. The jobs will only need to be updated once a year.
6. IDs (Identification) must be properly assigned to students.
   1. 2
      1. Misidentification of the identification will cause the information to pair incorrectly which can cause students to take the wrong course and waste time and money.
7. Skills must be cleaned and sorted before being put into the database
   1. 3
      1. If the skill is incorrectly sorted, the class will appear in the wrong spot. It will probably come in handy, although not in the focus, but it will cause some time to be lost.
8. Must display student information properly on dashboard
   1. 1
      1. Information of the student is a specific requirement wanted by the client. It also shows path the major and focus of the roadmap should follow.
9. Roadmap must be separated based on hard or soft skills
   1. 2
      1. The separation of the roadmap shows splits due to the difference between hard and soft skills. It must split due to the difference.
10. Login must be unique
    1. 3
       1. Logins must only be assigned to 1 account to avoid any mixing of information.

Nonfunctional Requirements:

1. User data (login credentials) must be encrypted and stored securely.
   1. 4
      1. The credentials of the student are not going to be stored any database because the web application shared and open
2. The app should be responsive and working on web application.
   1. 1
      1. Because the framework and database is limited, the processing should not be much. It should be able to handle the information and not crash.
3. The servers must be able to handle a maximum of 1000 people
   1. 3
      1. Due to the limited number of IT students in GGC, there is expected to not be a lot of people on the application.
4. The interface should be intuitive for students.
   1. 2
      1. Because the map is tied to a student’s ID, the map must be able to keep up with the student's progress.
5. Web application must be fast
   1. 5
      1. Application is not expected to be fast due to the constraints of the apps

Domain Requirements:

1. Provide detail-oriented responses that matches the clients' (students) needs.

a. 1

i. Students need precise and correct guidelines to make a decision.

1. Each IT job role must be associated with a defined set of required skills.

a.1

i. This is the foundation of the system to help the students to choose their job based on their skills.

1. A course can cover multiple skills, and a skill can be covered by multiple courses.

a. 2

i. Ensure flexibility and realistic modeling of curriculum coverage.

1. Recommendations must be relevant to student progression and level.

a. 1

i. Critical for usability—suggesting courses that suit students based on their skills and their classification.

1. Paths must allow for exploration of multiple roles.

a. 3

i. Valuable for career exploration, but not essential for core function.