

# MAC 272

## Assignment 3

### 10 points

#### Assignment 3: MAC 272 - Project Proposal Report

1. Form a team and choose a web application project from the examples provided or propose your own.

**Done**

2. Write a report that includes the following sections:
  - a) Name of the project and team members.

#### **Careerization**

**Sekou Traore and Gina Leon**

- b) A brief description and purpose of the proposed web application (2-3 lines).

**Careerization is a web application designed to assist users in discovering their ideal career and providing them with guidance on the necessary steps to become a professional in their chosen field.**

- c) Key tasks that the web application will perform, listed as bullet points.
  - **Includes famous people's paths and steps they took so you can have ideas.**
  - **Collect user information such as education, work experience, and personal preferences to determine potential career paths.**
  - **Use machine learning algorithms and human expertise to match users with career options that align with their interests, skills, and goals.**
  - **Provide detailed information on each career option, including salary expectations, job responsibilities, and educational requirements.**
  - **Offer guidance on the necessary steps to achieve professional success in a chosen career, such as online courses, certification programs, and industry events.**
  - **Allow users to save and compare their preferred career options for future reference.**
  - **Connect users with professionals in their chosen career for mentorship or networking opportunities.**
  - **Provide personalized recommendations for job openings based on the user's skills and qualifications.**
  - **Monitor the user's progress in achieving their career goals and provide feedback or suggestions for improvement.**

- **Continuously update the career options and resources available on the platform based on current job market trends and industry developments.**

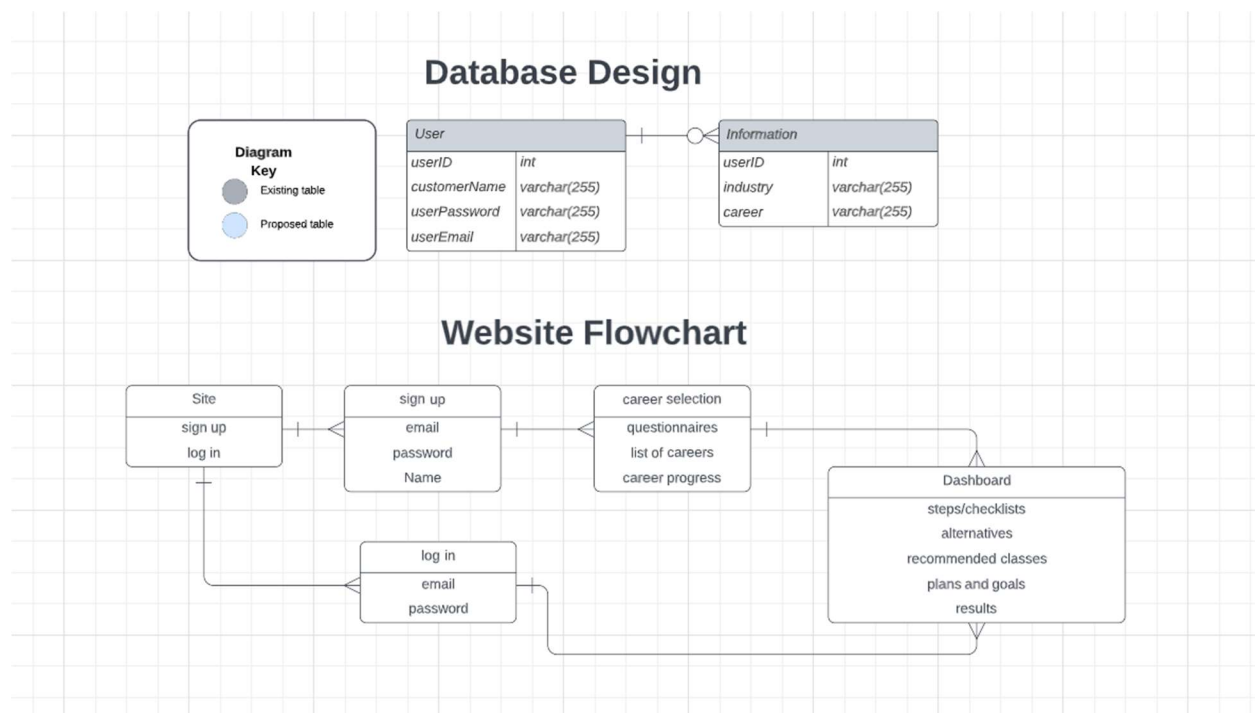
d) Programming languages and tools that you plan to use, such as HTML, CSS, Angular.js, MYSQL, C#.Net, and PHP.

**MySQL, HTML, CSS and PHP. Visual Studio Code and Workbench.**

e) Design of your website database, including tables and a class diagram that shows class names, attributes, operations, and relationships between classes.

**The Design is below with the flowchart.**

f) A flowchart that illustrates the flow of the web application.



g) Data validation requirements, such as preventing two users from registering with the same username and password, specifying required fields for users, and specifying data format.

**The username, password and email will be required to sign up. Every user will be assigned a generated 6-digit numbers different from others to prevent duplicate accounts.**

3. Submit your report as a PDF document on the blackboard by 11:59 pm on 5/2/2023. Both team members need to upload the report, and no late work will be accepted.

