

# MAC272 Web Development II

## Project

### Spring I 2023

#### Project Description

In this project you are expected to design and implement a dynamic web application that addresses a real-life situation. Examples of topics that can be used are:

- a) Library management system.
- b) HR and Payroll System.
- c) Airline reservation system.
- d) Online shopping sites
- e) Car rentals system.
- f) Online banks system.

Your final work will be due on **Tuesday June/6**. At this point you need to submit a report that include:

a) **Name of the Project:**

Careerization

b) **Brief description of Project (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) **Skills used (Tools and programming languages used):**

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

d) **Key jobs/Tasks (List 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.
- Provide personalized recommendations for job openings based on the user's skills and qualifications.
- Connect users with professionals in their chosen career for mentorship or networking opportunities.
- Offer guidance on the necessary steps to achieve professional success in a chosen career, such as online courses, certification programs, and industry events.

e) **Brief report/reflection:**

1. Explain in detail the project, why and where is this project used. What are the challenges you faced and how did you solve them?

**Our project will help users find their career and become professionals. Many people are not familiar with what the path they should take to gain skills and knowledge on their careers, so we are here to ensure their options and paths. Our service is available on the website and mobile applications. The challenges we had with the project was getting the database connected to the website and styling the website with CSS.**

2. How did you come up with the idea?

**As an upper sophomore who is about to graduate from college, I still have the feeling that I am not adequate to work in the tech industry. I know I am not the only person feel the same way. That why I created this website and service to boost morale and guide everyone to the right path.**

3. How did you learn all the skills used to finish this project? How were the other courses you took here at LaGuardia played a key role in successful completion of the project?

**Prof. Darabseh provided us some awesome and interesting programming languages to build website that will manipulate data such as PHP and Node.js. I used the skills I learned from Prof. Bonillo for MySQL and Prof. Praveen Kumar for HTML, and CSS. I also gain some experience from my previous internship on web development which increased my web development skills.**

4. How working on this project and other projects in this major has helped you to be confident in Software Development.

**It did make me confident in Software Development, however, this industry is more competitive and other candidates are tough, so I need to do more.**

You need to submit your final work on the blackboard. Put the following items in a zip folder and submit it on the blackboard:

- a) The report. This is the same report I explained above.
- b) Project code.
- c) A 3-5 minute video that include a demo of your project.
  - o This should include a demo on how you run the code, what your website can offer (the features/functions). Just imagine that you explain what your website can do to a client.

It is ok to use the same project from MAC172, but please note that the project for MAC272 should be a dynamic website that must be implemented by a server-side programming language (such as PHP) and must include a database such as MYSQL.

**Note:** Two people can work on one project.

**Note: You also need to deposit Only the project report and the 3-5 minutes video that include a demo of your project to ePortfolio. I will provide the template later.**