Overview

In this project, you will step into the shoes of an entry-level software developer at Lushlyrics, one of the world's top providers of online music, podcasts, and audio streaming services.

Project Scenario

The team at Lushlyrics plans to implement website features to (a) secure access to the company website and (b) provide a user-friendly registration and login experience for their paid customers.

After implementing these changes, users must create accounts and log in before accessing Lushlyrics's website. Users should also be able to recover their accounts if they lose their credentials.

The team wants you to implement a web-based user registration, authentication, and authorization and integrate these functionalities within Lushlyrics's existing website. Below is a summary of the required website features:

- Users should be able to create accounts easily and conveniently. The team wants users to have access to attractive and convenient registration process. The team is flexible about the design of the user experience and aesthetics you use in designing the relevant forms.
- The team does not have specific requirements on implementing user verification as a part of the registration process. However, you can include phone or email verification, both of them, or none of them.
- Users should be able to log in and out of the system conveniently. You can be creative here about designing the user experience and the aesthetics of the relevant forms.
- The team does not have specific requirement on incorporating two-factors authentication as a part of the login process. You may choose to skip this feature or implement it using SMS or email.
- Users should be able to recover their accounts if they lose their credentials. The team is flexible about the way you choose to implement this. You can use email-based or phone-based recovery workflow.

After implementing these changes, users will not have access to Lushlyrics's website until they register and login to the system. Users should be able to easily and conveniently create their accounts and login and out of the website. They should also be able to recover their accounts if they lose their credentials.

Project Objectives

1. Restrict anonymous access to the Lushlyrics website.
2. Secure access to the site with authentication and authorization
3. Design user-friendly password recovery

Your Challenge

Your task is to implement user authentication, authorization, and password recovery for Lushlyrics' website. To do this, you will fork Lushlyrics' repository to create your repository.

Then you will clone your repository and create a local branch. Afterwards, you will start working on your project. You will create a user-friendly registration. login, and password recovery views and implement authentication and authorization workflows. Finally, you will create a pull request to publish your code to GitHub.

To complete this task, we'll use the existing code of Lushlyrics' current website in this project.

After you perform your task, you will publish your findings on Coursera and share them with potential employers.