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CMSC 491

Login System

For this assignment, our goal was to build a registration, login, and password reset page. We used Amazon Cognito as our database for storing user information. We built our functions using AWS Python lambda functions and made a connection to Cognito using boto3. To be able to use these functions in our Android Studio Java code, we had how to make a trigger for each of them. To do this, we used API Gateway to make a HTTP POST request, and this would provide us with a link that could be used in our Java Code. The user would register using their username, password, email, and name. Following this, their email would be sent a confirmation code that could be used as confirmation. The user could also login to their account and reset their password. As a special note, for my implementation of the project, the password must be a minimum of 8 characters, and contain at least 1 number, special character, uppercase letter, and lowercase letter.