



Social media



Apply everything the instructor explained in the session up to the “login with Gmail” feature (6 Grades) and add the following extra features:

1. Verification code in confirm email and forgot password (2 Grades):

- Implement a verification code for email confirmation and forgot password.
- The code should:
 - Expire after 2 minutes. (0.5 Grade) ✓
 - Allow a maximum of 5 failed attempts to use the code. (0.5 Grade) ✓
 - After 5 failed attempts, the user is temporarily banned for 5 minutes from requesting a new code. (0.5 Grade) ✓
 - Reset the failed attempts count after the 5-minute ban expires. (0.5 Grade) ✓

2. Login with Social Credentials (Gmail) or Normal login with (Email or phone) and Password (1 Grade):

- In the login API, check if the user wants to authenticate using:
 - Gmail or
 - (Email or phone) and password.

3. Refresh Token Validation (1 Grade):

- When requesting a new access token using a refresh token, ensure the following:
 - The refresh token was issued after the **most recent password update time**.
 - If the refresh token was issued before the password was updated, reject the request and prompt the user to log in again.

Bonus (2 Grades)

How to deliver the bonus?

- 1- Solve the problem [Length of Last Word](#) on LeetCode
- 2- Inside your assignment folder, create a **SEPARATE FILE** and name it “bonus.js”
- 3- Copy the code that you have submitted on the website inside “bonus.js” file