Mock Interview 3

LEVEL 3
TIME: (Ideal time of completion: 6 hours)

Create a complete authentication system which can be used as a starter code for creating any new application

Super Extra Points:
- Using parallel jobs for sending mails

Required:
- Well commented code
- Readme on how to setup the project on local system
- Scaleable folder structure (separate models, controllers and routes)
- Pages should look good! Refer to Google/facebook/other authentication systems
- DO NOT SUBMIT YOUR PASSWORDS IN GIT COMMIT

Task
- Implement the following for a user with respective html pages:
    - Sign up with email
    - Sign in (you can redirect to a blank home page with a sign out and reset password button after sign in)
    - Forgot password (you can either generate a random password and send on email, or send a reset password link which expires in some time [preferred])
    - Sign out
    - Reset password after sign in
    - The password stored in the db should be encrypted
- Take care of the following
    - Display notifications for
        - unmatching passwords during sign up
        - incorrect password during sign in
- [Extra Points] enable re-captcha on both sign up and log in

Free Hints
- YOU CAN USE PASSPORT TO MAINTAIN CREATE AND MAINTAIN SESSIONS, BUT OTHER FUNCTIONALITIES ARE WHICH WILL NEED TO BE BUILT BY YOU
- YOU CAN USE NOTY AND BOOTSTRAP IF YOU NEED TO

- FRONT END SEARCH IS TO BE DONE USING JAVASCRIPT IN THE TABLE BOXES
- **USE PEN AND PAPER TO DEFINE THE STEPS**
- WORK ON ONE STEP AT A TIME (in the order they are mentioned, DON'T THINK ABOUT THE COMPLETE APP TOGETHER

To Submit:
- Record a video (max 3 minutes) with the following details (**and upload it to drive/youtube with public access, VIDEO SHOULD BE ACCESSIBLE BY ANYONE**):
    - Explain through the folder structure (what is placed where and why)
    - Explain the running code using Postman
- Upload the project files on github.com
- Fill the github and video links in this form: https://forms.gle/YhDQGXU14i8MpxaZ6