

# Mock Interview 3

## **Test Name: Nodejs Authentication**

TIME: (Ideal time of completion: 12 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)
  - Sign out
  - Reset password after sign in
  - The password stored in the db should be encrypted
  - Google login/signup (Social authentication)
  - **[Bonus Feature]** 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])
- 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
- **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 5 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
- Upload the project files on github.com
- Fill the github and video links in this form: <https://forms.gle/5JwX4Yf1EP2fadjS9>