# **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