

## **TASK**

Build a MEAN stack app containing 3 pages which would scrape images from Google search and store it in your server:

- 1- A page containing an input field and a submit button to Fetch images from Google and save top 15 images after passing through a compression algorithm then pass it through a **black and white** filter and upload all the images to a particular location(**Amazon S3** or local HDD).
- 2- A page which lists all the keywords searched **before** by the user.
- 3- After clicking on any word on the listing page open up another page which will have all the images for that particular keyword, but this time the images should be loaded from the location/path on which you saved/cached those images.

Use **MongoDb** with **Mongoose** and **Express 4.x** for the backend and use **AngularJs 1.x** for frontend, other than this you are free to use any library of your choice. The database has to be MongoDB only and the project has to be hosted on any server along with the githuburl, you can try <https://heroku.com> and Mongolab for free nodejs and mongodb hosting.

We want two URLs from you:

1. **Live Project URL**
2. **Github URL for the source code**

**Note:** You cannot use Google images API, you need to perform scraping using any nodejs library/http module.

### **Keynotes:**

- 1- Use MVC structure for the backend.
- 2- Use promises instead of callbacks.
- 3- Write clean and properly commented code