

# RECRUITMENT TASKS

Create a new Django project and implement the tasks as stated in Part A and Part B

## Part – A (Level - 1)

### Task 1 -

Create a new Django App “Jobs” with following functionalities (compulsory)

- A Job model with fields company name (str), company\_mail (email), job\_title (str), job\_desc (text), location (str), salary (integer), location (str), is\_active (boolean).
- A job serializer with all the fields mentioned above based on the above model. (converts model objects in json format)
- A Jobs Create generic view (which creates a job with above fields) and a Jobs List Generic View (lists all the active jobs) based on the above serializer. And respective urls for both these views

**P.S. You don't need to make HTML templates to display the data in above views, rest framework default generics views can be implemented (reference - <https://www.django-rest-framework.org/api-guide/generic-views/>)**

Hints - <https://www.django-rest-framework.org/> (Documentation Link)

<https://www.youtube.com/watch?v=QVX-etwgvJ8&list=PLXmMXHVSvS-DQfOsQdXkzEZyD0Vei7PKf>  
(Pretty Printed Django Tutorials Playlist)

## Part – B (Level 2)

### Task 2 -

Attempt any one of the following questions –

1. Add a search functionality to the jobs in list view based on job\_title and location such that [http://127.0.0.1/jobs?job\\_title=Developer&location=Delhi](http://127.0.0.1/jobs?job_title=Developer&location=Delhi) lists all Developer jobs in Delhi And also implement a ordering functionality which sorts all the jobs in list view in decreasing order of their salary.

Hints - <https://www.django-rest-framework.org/api-guide/filtering/> (Docs Link)

<https://www.youtube.com/watch?v=WM6IoP4MoyI>

<https://www.youtube.com/watch?v=F0tfRtBEkck> (Youtube Help Videos)

2. Create a Jobs Detail generic view (contains all info of a particular job) and its repective url based on serializer above. And then create and add a permission class to it such that the Django admin superuser only has the permission to edit and delete a job. (Django admin super user only has the permission to send PUT, PATCH, DELETE API requests in Jobs Detail generic view)

Hints - <https://www.django-rest-framework.org/api-guide/permissions/> (Docs Link)

<https://www.youtube.com/watch?v=yiYpFMk9QdA> (Youtube Help Video)

**Finally, submit the above tasks as a public Github repository link which has contains all the code implemented and a supporting readme file.**