



Django
Project-ITI-OS-42



Content

1- Project Overview

2- General Instructions

3- Bonus

4- Project Delivery & Deadline instructions

Project Overview

Simple Job Application:

- Where i can register as a recruiter (Company) who needs a task or project and want to hire a developer for it
- Or i can register as a developer to be hired from an agency

Backend:

All of the requirements will be implemented using RestApi & Django admin (as a control panel)

FrontEnd Framework:

Each team has the freedom to choose which frontend framework to work with

Pages:

- Home Page (Introduction page about the site)
- Wall Page (Job Posts)
- Singup
- Login
- Profile (Developer & Company)
- Notification Page

General Instructions (Roles)

Admin (Using Django Admin Panel):

- Can Activate/Deactivate User (Developer,Company)
- Can Do all CRUD For all models unless instructed not to do it (Like in Job Model he can't delete.edit job)

Developer:

- Can register as a developer
- Can Edit Own Profile and upload my CV as a **pdf type only**
- Can accept/ignore email notifications sent by the system for jobs posts
- Can have tags to act as filters for newly posted jobs to be used in the email notification action
- Can Login (After being accepted by the administrator)
- Can logout
- Can Apply for a job
- Can apply only for 1 job at a time
- Can Mark Job as finished

General Instructions (Roles)

Company (Recruiter):

- Can register as a type of recruiter
- Can Edit Own profile (Add Extra data about the company)
- Can post jobs (multi job can be posted with no restriction)
- Can edit posted jobs
- Can delete posted job as long as there it's status is still open (not assigned to developer)

General Instructions (Pages)

Singup:

- * Form should contain all necessary data for both users
 - If selection type developer show the required fields for it like username,password,email,cv,gender,etc..
 - If selection type company show username,password,email,company_address,history,etc...

Login:

- A sign-in form with username,password

Profile:

- Any Logged in User can see any other user profile either for Developer or Company (**Read Only Mode**)
- Profile Page to show all data about the user either for Developer or Company , **Editable only for the profile Owner**

General Instructions (Pages)

Wall (Job Posts) :

- List of jobs to be displayed
- Ability For users of type company to create job
- Will have name ,short description ,tags, banner image,creation-time
- On job creation it will send an email notification for all developers who have the same tags selected
- Many Developer can apply for the same job, But only 1 developer is accepted by the job owner

Job Detail :

- Page to show all details about the job and can be edited only if it is still open by the owner
- Developer can only apply for the job as long as it is open
- Only assigned developer or job owner can mark it as done
- Will have 3 status (open,inprogress,finished)
- Will have many tags
- On Developer Acceptance an email should be sent to the accepted candidate with acceptance
And an email notification sent to all other developers applied with Rejection

General Instructions (Pages)

Notification Page :

- List of notification that has been sent to the user by the mail (Act as offline notification)

General Instructions (Models)

User Model :

- Use the built-in user model override it to add the different types of users
- Extra Fields:
 - User_type['recruiter','developer']
 - allow_mail_notification (by default True on registration but can be edited from profile)
 - gender
 - date_of_birth
 - tags (for developer users)
 - cv (for developer users)
 - address (for company users)
 - history (for company users)

Actions:

- On Create send mail to admin to make him decide to activate the user

General Instructions (Models)

Job Model :

Fields:

- name
- creation_time
- Modification_time
- Description
- Tags (Many2Many with tag model)
- applied_developers (Many2Many with user model who has applied for it)
- developer (Accepted developer by job owner)
- created_by (owner "user of type recruiter")
- status ('open','inprogress','finished')

Actions:

- On Create Send notification to all developers who have tags matched
- On developer accept Notify accepted developer with acceptance & all other developers with rejection
- On Job finish send notification to job owner

General Instructions (Models)

Tag Model :

Fields:

- name

Notification Model:

Fields:

- message
- creation_time

- Used for notification page (offline notification)

General Instructions (Admin Panel)

- Register all models in the admin panel
- Customize Admin panel user model to display the new fields added
- For Job Model:
 - Admin user can't delete or edit a job
 - Show all Job data
 - Ability to filter by job name,status
 - Ability to search by developer_name, created_by name

Bonus

- Follow the coding standards (CamelCase for Models naming , snake_case for functions naming,use docstring,use django unittest)
- Display all finished jobs for the developer in his profile
- Use Background job handler like celery to send emails
- Deploy the project to heroku or aws

Project Delivery & Deadline

DeadLine:

- 17/06/2022

Delivery:

- Project Delivery should be on github
- A project discussion will be held on 18/06/2022 at 9 AM For each team