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# ELP PORTAL DOCUMENTATION

Series 2 Equity Hackathon

TECH HUB TEAM

# ELP Portal

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## **Phase 1**

### **THEME**

#### **Social Outcomes**

A solution that would offer Equity a user-friendly way to stay in touch with its alums to determine whether the program is achieving its desired outcomes.

#### **Idea**

The ELP portal aims at bringing together all scholars and alums under the Equity Group Foundation. It will serve to do the following:

- Serve as a platform for EGF to keep in touch with alums and scholars
- Consolidate and bring together alums and scholars
- Manage events and monitor attendance
- Allow scholars and alums to share experiences
- Link graduates to opportunities.

**NOTE:** This list is not exclusive; it can be improved overtime.

## User Stories

Users will be able to:

- View their dashboard with their individual interactions with hubs, chapters
  - see a summary of posts, a prompt section to post, summary of events, summary of opportunities and number of active users currently.
- Register and login to the application.
- Update their profile when their information changes.
- Join hubs and Chapters (according to their institution)
- View incoming, and past events of the hubs and chapters
- Enroll to attend an event.
- Post and View posts from other scholars/alumni.
- View updates from the bank regarding opportunities.
- View and apply for opportunities within the portal.
- Share opportunities to other scholars not registered on the portal.

## Admin View

Admins types:

- Super Admin
  - Dashboard + statistics (active/inactive members, events statistics (number of events, attendance rate) for all hubs and chapters
  - All admin rights
  - All CRUD operations
  - Dashboard, all chapters and all hubs
- Hub Admin
  - Dashboard + statistics (active/inactive members, events statistics (number of events, attendance rate) for the hub
  - CRUD events, view and extract user list
  - Hub dashboard, interaction of hub members with the hub
- Chapter Admin
  - CRUD events, view and extract user list, interaction of chapter members with the chapter
  - Dashboard + statistics (active/inactive members, events statistics (number of events, attendance rate) for the chapter
- ELP Staff admin
  - CRUD ELP events, opportunities (bank and partners)
  - Dashboard + statistics (ELP event statistics (number of events, attendance rate) and opportunity statistics, number of applicants and more. Chapters, Alumni status (number, whether in school or completed, employed or not)

## Minimum Viable Product

As the Tech Hub team we eventually aim to complete the project and take it to production. For the hackathon, these are our minimum viable products:

- Sign up and login pages
  - Sign up field; Email, password, scholar code and pf
- Profile page and profile update
  - Update full names, gender, phone number, optional (resume, social links (GitHub, LinkedIn, twitter))
- Home page with upcoming and past events
- Posts from users
- Opportunities page
  - A list of all opportunities still open to applications. With summary of crucial info
  - On clicking an opportunity card; more details, requirements, apply button redirect to application site/form. For internal opportunities like ELP chaperones will be handled through dynamic forms.
- “Apply for opportunity” page
- Events (Past, oncoming) page
  - Summary of all general events, filters for my chapter events.
  - On clicking event, show more details, venue, time, people attending, more information, charges if any.
  - On click register – send user details.
- Hubs page with all registered hubs
  - Summary of all general events, filters for my hub events.
  - On clicking event, show more details, venue, time, people attending, more information, charges if any
  - On click register – send user details.
- Chapters page with all registered chapters.
- Join hub/chapter page

## Technical Details

### Stack

- |              |   |                   |
|--------------|---|-------------------|
| ○ React Js   | - | Frontend          |
| ○ Django     | - | Backend           |
| ○ PostgreSQL | - | Database          |
| ○ DRF        | - | Resful apis       |
| ○ BS4        | - | Api security      |
| ○ Swagger    | - | Api documentation |
| ○ Figma      | - | Design            |
| ○ Postman    | - | Api testing       |

### Design

The portal will have a crisp, flawless and easy to follow design. This will enhance the user experience and user interactivity with the site.

### Frontend

The frontend will employ the principles and best practices of React JS. We will have components to handle data from the backend APIs of each Django app. The components will include but are not limited to:

- Navbar
- Sidebar
- Event
- Hub
- Chapter
- Authentication → sign up, login, reset password
- Post
- Profile

## **Backend**

Django (a python full stack framework) will be used to build the backend.

The backend contains Django apps for each of the sub section of the project, these apps will be:

- authentication
- chapters
- events
- hubs
- opportunities
- posts

## **Authentication**

The authentication app will provide APIs to the frontend team to enable user login, register and reset password. User details will be collected in light to the requirements of the Equity Group foundation consolidation aim. The details will include:

- current user email
- username for our application
- institution of study – University, High school
- School completion status.
- PF/Scholar code to be matched with the Equity Database
- Employment status

These details will be stored in PostgreSQL database and can be retrieved anytime on request by authorized personnel and following the General Data Protection Regulation and Data Protection Act 2019.

We will replace the default Django user module with a custom module with the details required as outlined above. Also json web tokens will be used for user authentication.

## **Chapters**

Institutions with Equity Leadership Chapters will be registered on the portal. They will have a dedicated section to introduce themselves, their institution, what they have done, what they aim to do and process to join a chapter. Users in the specific institutions will have an option to join the social forum for their chapter.

The Chapters app will hold information to do with registered university chapters. This will facilitate easier tracking of students in these chapters. The chapter will be required to be approved by the EGF branch of the foundation before having an account with the portal.

Information to be required on chapter registration will include:

- Chapter name
- Institution
- registration fee (If any)
- Number of current members
- 

Furthermore, the chapter leaders will be required to present a member of the governing committee to be the admin in the portal. This admin will be responsible

for verifying any information about the chapter and posting events in case the chapter

### **Events**

This Django app will primarily contain all information about the events. Events organized by the bank, hubs, chapters or any other events will be posted and attendance monitored by the admin.

### **Hubs**

Hubs are groups for people with similar professional/career interests under the EGF. A perfect example is Tech Hub. These will be listed here and people will have a choice to join one or a maximum of two.

### **Opportunities**

Many times you see emails on new opportunities or WhatsApp messages forwarded from the bank with job, scholarship and other opportunities. That is fast coming to an end as the portal will have a section to cater for all opportunities where admins can post and all users will be able to see and apply for the same. These opportunities will not be limited, admins can post opportunities from other places and not only the bank

### **Posts**

Here users will get a chance to share their stories, achievements, motivations and their overall journey pre and post EGF.

This will primarily have a post model, with reactions and comments sections.



## **Deployment**

At the moment we are looking at hosting our application using the free hosting platforms for students.

- Backend -Railway.app or cyclic.sh.
- Frontend- Netlify, vercel, github page.

## **Future Plans**

As a team, we aim at taking this project to production and releasing it to users and to the bank for their use.

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