Social Network

*You are the product*

Project Overview:

Social network app to make a good network and find a good position, as LinkedIn

Objectives:

* Helping companies to have qualified employees
* Helping users to talk to others and have a good job
* Take advantage of paid advertisements and subscriptions

System Description:

The system is composed of smaller subsystems that all work together to deliver high quality service

1. User (normal user – subscribed user – admin user)
2. Company (normal company – subscribed company)
3. Post (normal post – AD)

* **User**

The system should store the following information about user = name, email, password, phone, photo, address, about, education, experience, current work, followed users, followers, followed company, posts, jobs, is admin, is subscribed

all Users

* register or login (ability to change password) (verify email)
* update|delete all info + (experience, education, skills, CV)
* add and delete and update and share Posts (upload image and video and pdf)
* make|delete|update reacts and comments on Posts or ads
* applay for jobs and update|delete his application
* follow|unfollow|block|unblock users or companies
* see all his followers and following
* endorse users’ skills
* have notifications
* chat with followers and send request to non-followers

normal user

* can subscribe to premium user with 500$ per month
* can see all posts and ads and can comment, reactes on them from all users and companies he follows

premium user

* can add Ads for 10$ per month
* show in first of search
* know who visit his profile
* know who endorse his skills
* Top Applicant Job recommendations
* add post with timer
* know who review his job application
* without any Ads

admin user

* authorize company
* block|unblock user or company
* delete post or ads
* add global post or ads
* Company

The system should store the following information about company = name, location, about, email, password, CEO, followers, employees, posts, job offer, is subscribed, is accepted

all companies

* register or login (ability to change password) (verify email)
* update | delete all info + (CEO: all permissions, HRs: post | review job application, Projects: limited 100 project)
* add | delete |update |share Posts (upload image and video and pdf) (HRs)(CEO)
* make | delete | update reacts and comments on Posts or ads (HRs)(CEO)
* add |delete | update job offers (limited to 200 jobs) (HRs)
* can users follow | unfollow | block | unblock this companies (limited to 5000 users)

premium company

* can add Ads for 10$ per month
* show in first of search
* know who visit his company profile
* 6- add post with timer
* 7- show best users
* 8- without any Ads

authorized company

* show in first of search
* unlimited users
* unlimited jobs
* unlimited projects
* unlimited posts
* Post

The system should store the following information about post = title, content, time, link, reacts, comments, is Ad

Features:

1. Real time privet chat system between users
2. Authentication, Authorization, and email Verification
3. Payment subscribes for user and company
4. Validation for every input
5. Pagination
6. Hashing passwords
7. File uploading for posts and profiles
8. Profile for user and company

Features in the future:

1. user and companies create Ads
2. applying process in job apply
3. groups and groups chat
4. voice note, voice and video calls
5. create meetings, streaming
6. add small games between users
7. …

Technology:

* Platform (Nodejs – Express)
* Database (MongoDB – mongoose)
* MVC structure
* Validation (Joi)
* Authentication and Authorization (JWT)
* Verification (Nodemailer)
* Realtime chat and notification (Socket IO)
* File upload (multer)
* Payment (PayPal)
* Unite Testing (Jasmine)
* Hashing (bcrypt)
* View (EJS)
* Deployment (Heroku, MongoDB Atlas)

Agile scandal: (20 days)

* 1. create a new project connect with GitHub and prepare the server
  2. login and register APIs validation and authentication
  3. connected to database
  4. normal user
  5. premium user
  6. admin user
  7. normal company
  8. premium company
  9. authorized company
  10. post
  11. ads
  12. chat
  13. test all users
  14. test all companies
  15. test all posts
  16. test chat
  17. deployment

ERD:

Company

PK| \_id

CEO

Location

About

Email

Password

Followers

Employees

job offers [!!]

is subscribed !

is accepted !

Post

PK| \_id

Owner !

Tags []

Text

Midea

Is updated !

Date !

Reacts !

Comments [ .. ]

Is Ad

User

PK| \_id

email

Password

Name

Phone

Sex

Photo

Address

About

Education

Experience

Skills

currentWork

CV

followeeUsers

Followed Companies

Followers

Is Premium

Is Admen

Is active !!