IBM - PROJECT

Project Documentation Report

Project Name: Skill/Job Recommender Application

ID: PNT2022TMID27264

Team Members:

- **MeenaLochne.S [Team Lead]**
- **Suhail Khan**
- **Akash Vishwakarama**
- **Elizabeth Debbarma**

GitHub Link: https://github.com/IBM-EPBL/IBM-Project-21081-1659771979

1. INTRODUCTION:

Nowadays, searching for a job is frequently done online using job search engines like LinkedIn1, Indeed2, and others. From the beginning of the internet's commercialization in the late 1980s, the question of how this technology could be used in employee recruiting to improve job seeker-vacancy matching was brought up. Many hiring businesses have developed methods for offering the job board in order to support the continuous cycle of the recruiting process from the perspective of the job candidate. Here, a job seeker searches for the positions which he would find relevant to him and apply for it. Due to the large number of job boards, candidates typically choose the one that offers the best services to them, including CV writing, developing a job profile, and suggest new positions to job seekers. Job seekers are looking for new possibilities that fit their talents more actively and persistently. However, it's difficult for companies that target these job seekers to determine the candidate's skill set and offer tailored employment recommendations.

1.1 Project Overview:

We have designed a skill recommender platform that allows both trained and unskilled job seekers to login, search for available positions, or interact with a Chatbot directly to get their ideal position.

To make the job search process simpler for both beginners and experienced candidates. To make the recruitment system more secure and easier and to create a complete web application that can show available jobs based on the user's skill sets. The users and their information are stored in the Database. Based on the user's skill set, an alert is sent when a position is available. By interacting with the chatbot, the user can receive recommendations based on his abilities. To retrieve information about available positions in the market, we can use a job search API that will pull information directly from a website.

1.2 Purpose:

The purpose is to develop a complete online application that can show available positions based on the skillset of the user and aims to help users in finding jobs that match their personnel interests.

An excellent job recommender application not only enables to recommend higher paying job that is most aligned with the skill set of the existing employment, but also makes suggestions on how to acquire a few additional abilities that are necessary to fill the new role.

2. LITERATURE SURVEY:

2.1 Existing problem:

1. Job Recommendation based on Job Profile Clustering and Job Seeker Behaviour

Authors: D. Mahdi*, R. Moulouki, M. Y. El Gourami, M. Azzouazi, L. Moussaid

Project Description:

- Using an automated recommender system, different jobs/skills are Recommended to the user.
- When the application is run, web-scraping techniques are used to gather the data from various job search websites that is processed and examined.
- This model is based on a cluster analysis approach, a self-organized learning technique that aids in grouping job offers based on how similar or different Their qualities are to one another.

Constraints:

- We have discussed certain text clustering techniques and related work in this Study that are linked to automated recommendation before exposing the Principles and guidelines of our suggested model.
- Automated suggestion can help customers identify and select the products based on their needs or based on recommendations from individuals they trust or who have similar likes.
- It uses simple algorithms like Automated Recommendation, which is divided into Content-Based Filtering and Collaborative Filtering.

Possible solutions:

- Based on a job seeker's prior interactions with particular job offers, it will be easier to match a set of job offers to that job seeker.
- The dataset that is to be used is compiled by scraping job-search websites.
- Concentrate on developing and testing the model by utilizing the Word2vec method and the k-means clustering algorithms to collect and reflect the context of job profiles.

2. Job Recommendation based on Job Seeker Skills: An Empirical Study

Authors: Jorge Valverde-Rebaza Ricardo Puma Paul Bustios Nathalie C. Silva

Published Month & Year: June, 2018.

Project Description:

- This model is carried out in the form of a proposed framework based on the Professional skills of job seekers.
- Carried out an evaluation to quantify experimentally the recommendation abilities of two state-of-the-art approaches, considering alternative configurations, within the suggested structure.

Constraints:

- In this part, we provide a brief overview of two techniques that are used in our experiments
- Word2vec general predictive model for learning vector representations of words are called word embedding.
- Term Frequency-Inverse Document Frequency (TF-IDF) is a strategy that has been successful in identifying topics in huge text datasets.
- Additionally, we show two models that are frequently utilized over Word2Vec: Continuous Bag-of-Words (CBOW) and Skip-gram.

Possible Solutions:

The project focuses on performing a more exhaustive evaluation considering a greater amount of methods and data as well as a comprehensive evaluation of the impact of each professional skill of a job seeker on the received job recommendation.

3. Job Recommendation System Using Machine Learning and Natural Language Processing

Authors: Dublin Smita Sharma, Nikil Nair, Aditi Patil, Tushar Nayak, and Abhinov Bardan Published Month & Year: March, 2020.

Project Description

- Nowadays, the Recommender system is becoming part of every business.
- The business tries to increase its revenue by raising the users interactive by recommending new items based on user preferences.
- We have witnessed the rise of LinkedIn in the entertainment domain, using their strategies to implement a recommender system into their existing ecosystem.
- There has been a minimal study in the hiring field from the perspective of a job seeker.
- Keywords: Recommender system, Job domain, Content-based filtering Natural language processing, cosine similarity

Constraints:

- This uses the data of the skilled person to get the specific jobs.
- It helps to track the job availability and recommend the job for the client's side approach and consistent- based approach, collaborative approach.

Possible Solutions:

- Based on your skills, it shows the multiple jobs that match your profile.
- The recruiters hire job seekers based on their LinkedIn profile that matches the job requirement.

4. A Research of Job Recommendation System Based on Collaborative Filtering

Authors: Yingya Zhang; Cheng Yang; Zhixiang Niu Published Year & Month: May, 2014

Project Description:

- Dealing with the enormous amount of recruiting information on the Internet a job seeker always spends hours to find useful ones.
- In order to reduce this time-consuming work, it is required to design and

Implement a recommendation system for online job-hunting.

Constraints:

This project deliberately uses two approaches:

- Constraint user-based filtering algorithm
- Item-based collaborative filtering algorithm

Possible Solution:

It helps to keep the background information and student's resume by which the user can apply for the candidate jobs using the recommendation system.

2.2 References:

1. https://smartinternz.com/saas-guided-project/1/skill-job-recommender

2. https://github.com/topics/job-recommendation

3. D. Mhamdi, R. Moulouki, M.Y. El Ghoumari, M. Azzouazi
   Job Recommendation System based on Text Analysis
   Jour of Adv Research in Dynamical & Control Systems, 12 (04) (2020)

2.3 Problem Statement Definition:

A job seeker always spends hours looking through the massive amount of recruiting information on the Internet to find ones that are helpful.

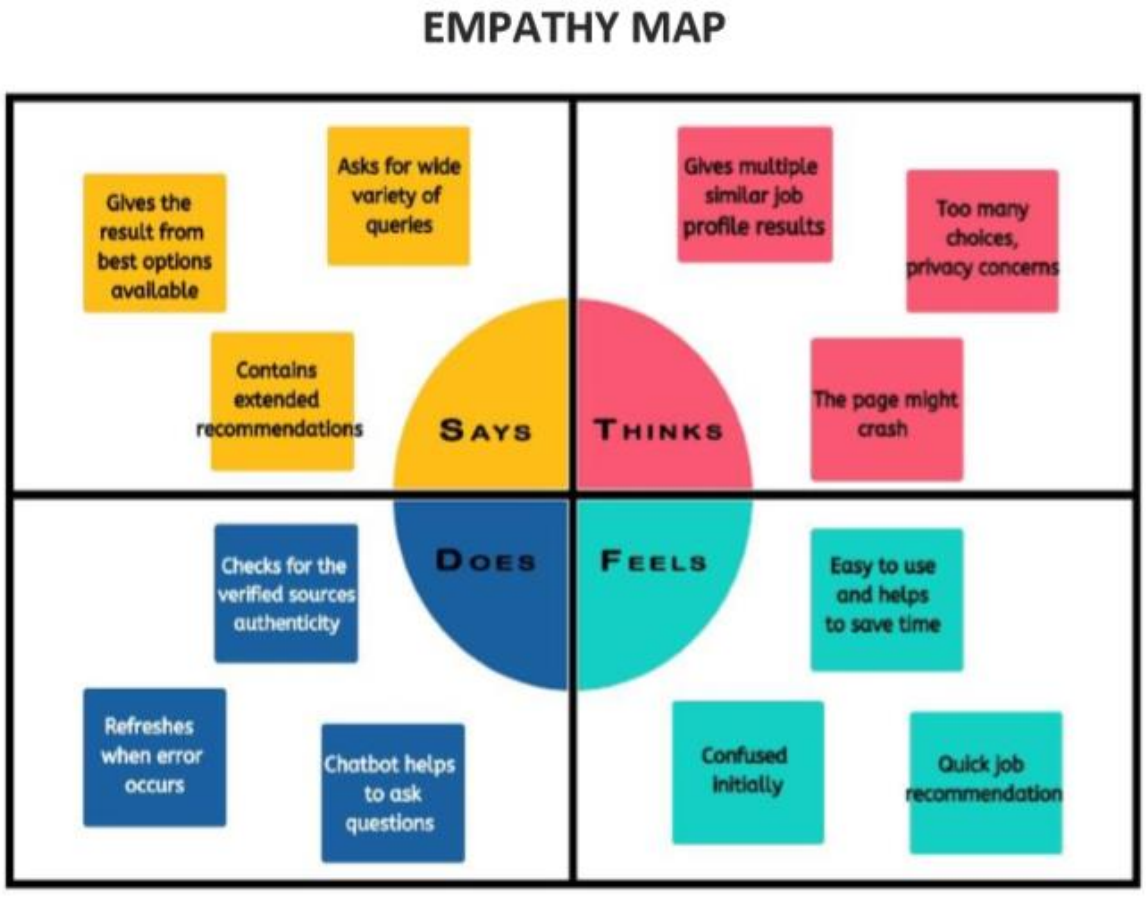
People who don't have any industry experience often don't know exactly what they need to learn in order to get a career that's right for them. We address the issue of suggesting suitable occupations to those looking for a new career. To reduce this laborious work, we design and implement a recommendation system for online job hunting.

3. IDEATION & PROPOSED SOLUTION:

3.1 Empathy Map Canvas:

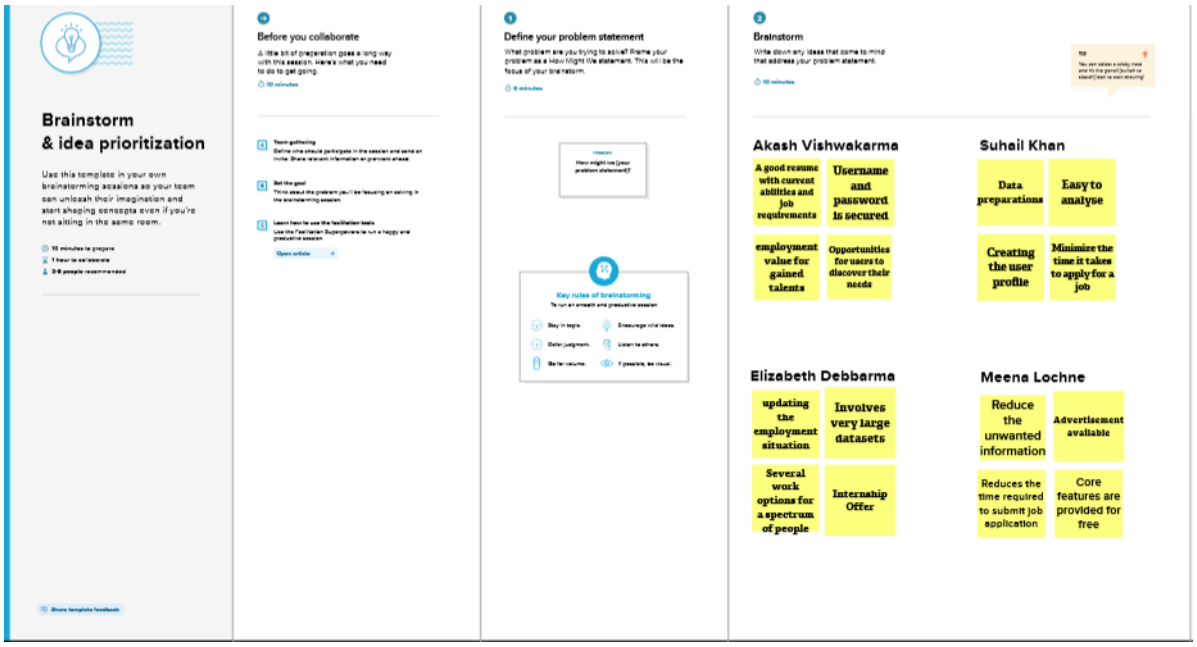
An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.

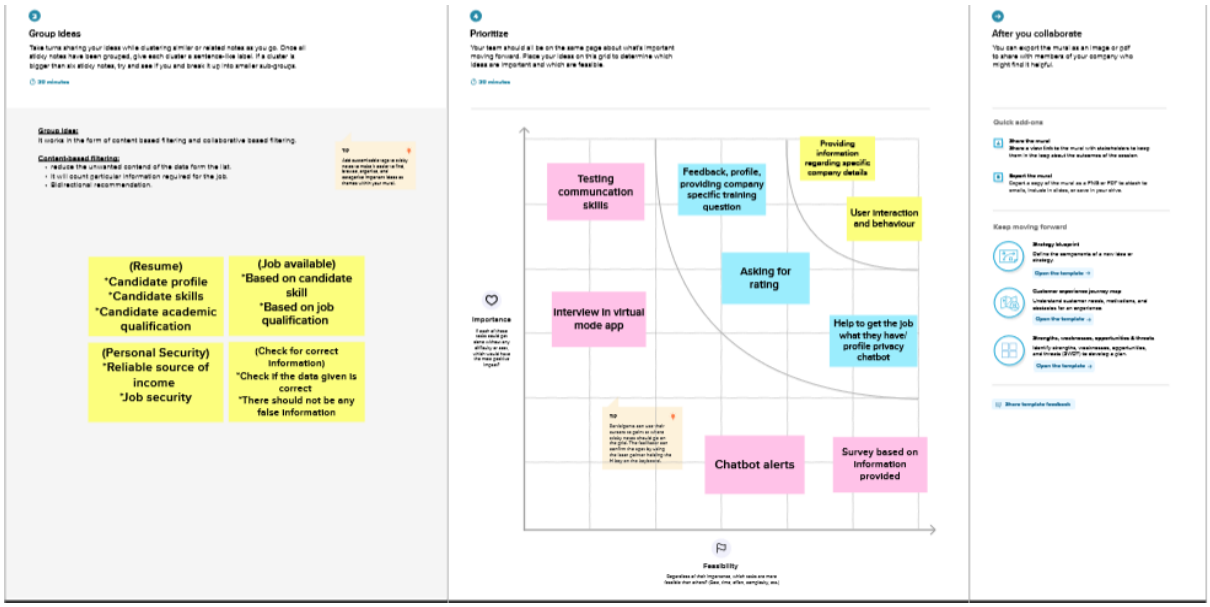
It is a useful tool to helps teams better understand their users. Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.



3.2 Ideation & Brainstorming:

Ideation is often closely related to the practice of brainstorming, a specific technique that is utilized to generate new ideas. A principal difference between ideation and brainstorming is that ideation is commonly more thought of as being an individual pursuit, while brainstorming is almost always a group activity.





3.3 Proposed Solution:

Project team shall fill the following information in proposed solution template.

1. Problem Statement (Problem to be solved):

- ✓ To recommend jobs based on skills of the users.
- ✓ This application gives the best results from the best options that are available to them.
- ✓ The application asks the user for a wide variety of questions to set up the results on those grounds. It also shows up intended recommendations that could be helpful in some sense to the user.

2. Idea / Solution description

- ✓ By matching the skills of the user with the already available profiles on the application and if a unique skill set appears then based on the jobs with the maximum stretch of the profile is recommended to the user.

3. Novelty / Uniqueness

- ✓ Skill job recommendation is a system that will keep track of the profiles based on the skills that they put up.
- ✓ By adding verified sources of the skill certificates, authenticity of the user is also prioritized. It can also link with other profiles on the system. The users can contact the orgs based on the recommendation by the system.
- ✓ System contains a chatbot to help resolve queries based on the problems that the user may cover across while going through the application.

4. Social Impact / Customer Satisfaction

- ✓ Verified sources of jobs
- ✓ Easy to use ,helps save time as well
- ✓ Availability of wide sources

5. Business Model (Revenue Model)

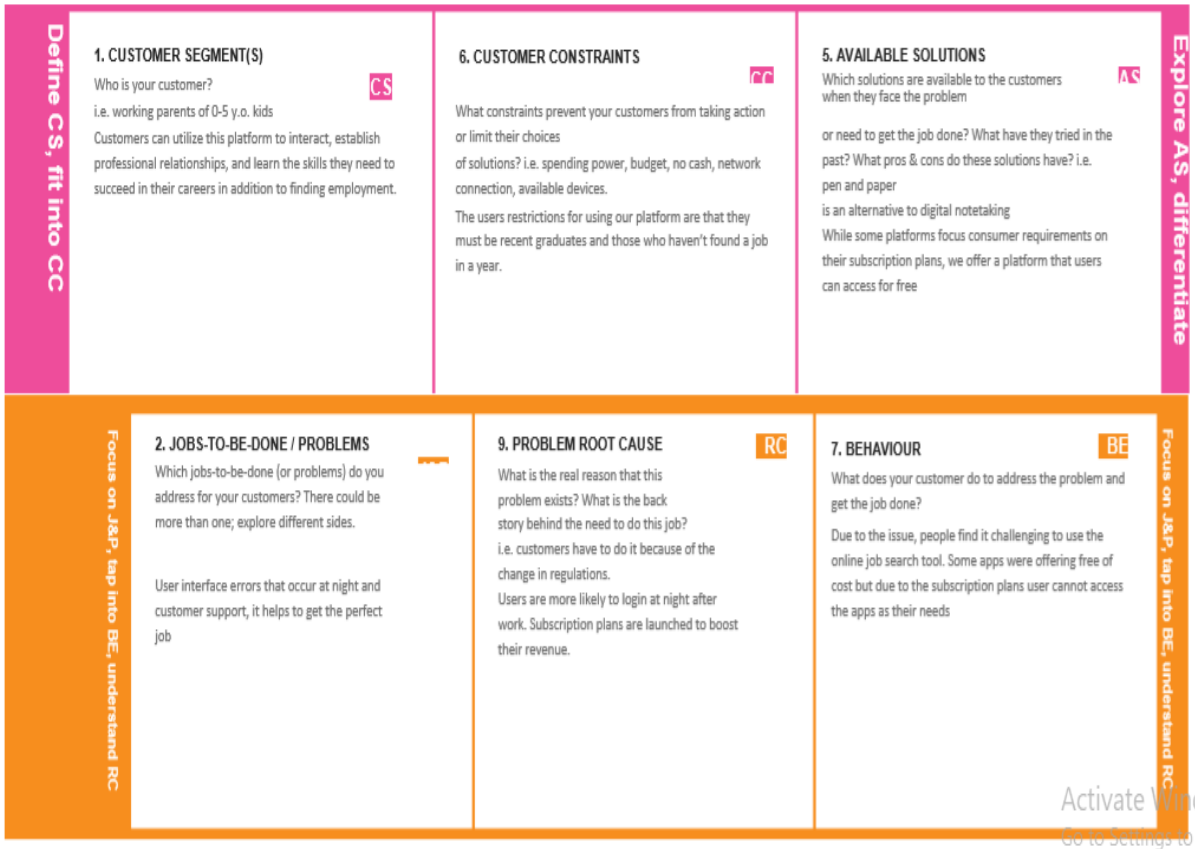
- ✓ Asks for a subscription to add extra skills that gives edge from other users.
- ✓ We can add for an amount to search for recommendations after a certain number of search attempts.
- ✓ When the subscription gets over, the difference would be shown to the user how he/she got special treatment in comparison to others.

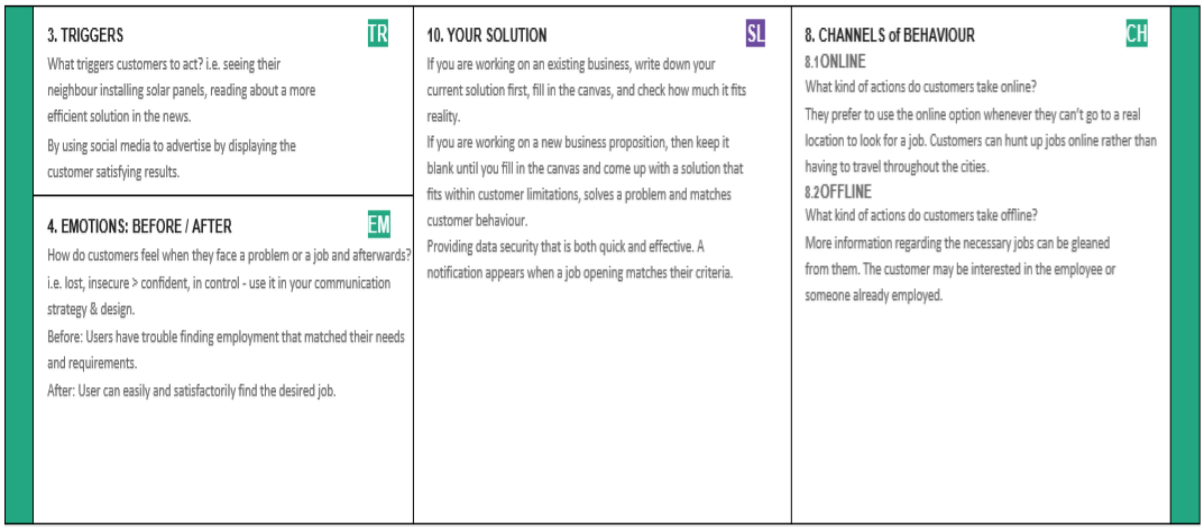
6. Scalability of the Solution

- ✓ It could be increased by increasing the collaboratively with external apps or directly associating with new job sources

3.4 Problem Solution fit:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem.





4. REQUIREMENT ANALYSIS:

4.1Functional requirement:

S No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
1	User Registration	Registration with username and user password
2	User Confirmation	Confirmation of user Email/phone number Confirmation via OTP
3	Chat Bot	A Chat Bot will be there in website to solve user queries and problems related to applying a job, search for a job and much more.
4	Job profile display	Display job profiles based on skills ,availability etc
5	User Search	Exploration of Jobs based on job filters and skill recommendations.
6	Job registration	A copy of the company the user applied for with its registration details will be sent to registered email id
7	User Acceptance	Confirmation of the Job.

4.2Non-Functional requirements:

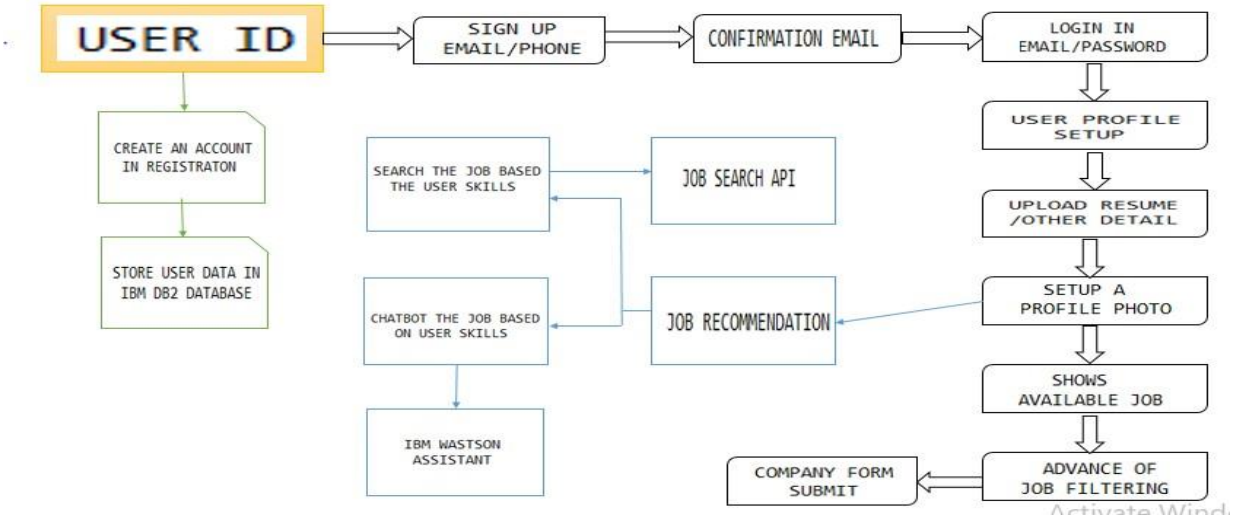
S No.	Non-Functional Requirement	Description
1	**Usability**	This application can be used by the job seekers to login and search for the job based on her Skills set.
2	**Security**	This application is secure with separate login for Job Seekers as well as Job Recruiters.
3	**Reliability**	This application is open-source and feels free to use, without need to pay anything. To make sure the webpage doesn't go down due to network traffic
4	**Performance**	The performance of this application is quicker response and takes lesser time to do any process.
5	**Availability**	This webpage will be available to all users at any given point
6	**Scalability**	The Response time of the application is quite faster compared to any other application.

5. PROJECT DESIGN:

5.1 Data Flow Diagram:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example:



User Stories

Use the below template to list all the user stories for the product

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application.	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through phone number.	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the		Mediu m	Sprint-1

			application through Gmail.			
	Login	USN-5	As a user, I can log into the application by entering email & password.		High	Sprint-1
	Dashboard	USN-6	As a user, I will enter the detail about my profile in the dashboard then sign in.	I can access my account / dashboard	Low	Sprint-2
	User Detail	USN-7	As a user, I will upload all the details and resume, certificates, skills developed, working experience.	I can view the next page to enter the detail	Low	Sprint-2
		USN-8	As a user, once I completed the first steps then can setup a profile photos and basic details by signing in	I can prepare multiple task in the application	Mediu m	Sprint-3

5.2 Solution and Technical Architecture:

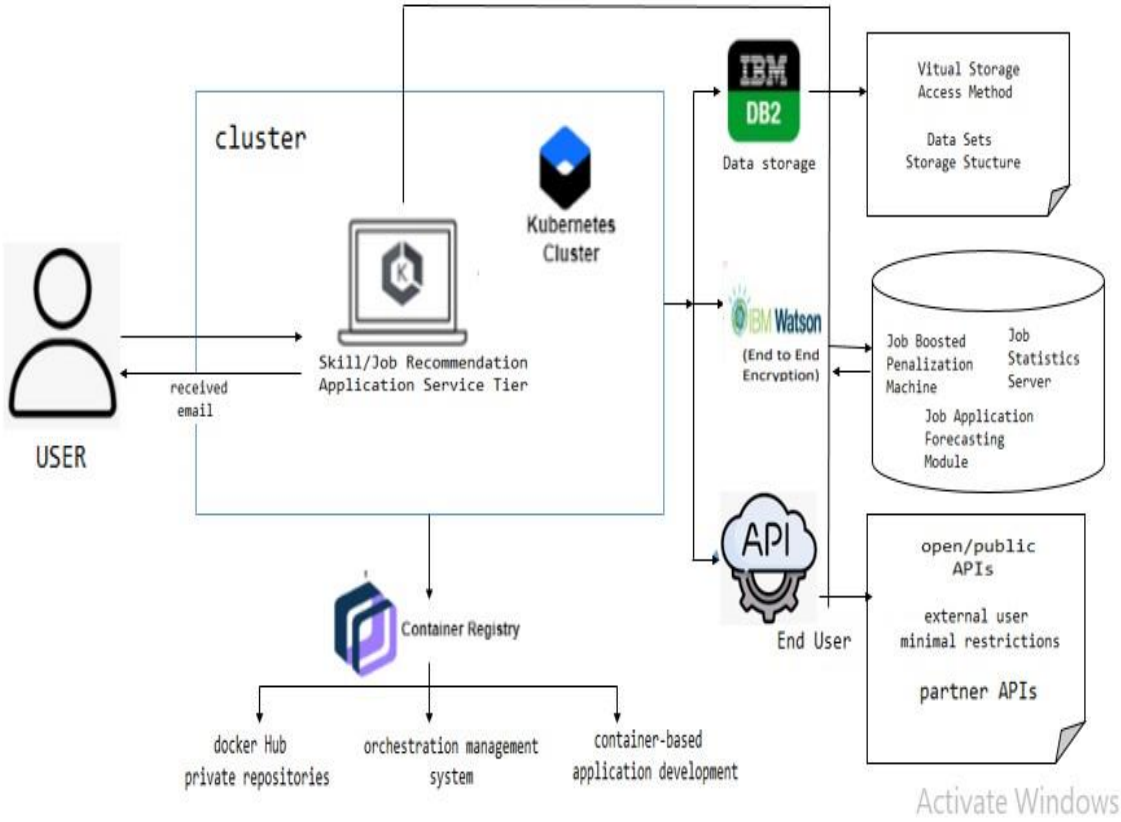
Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions.

Its goals are to:

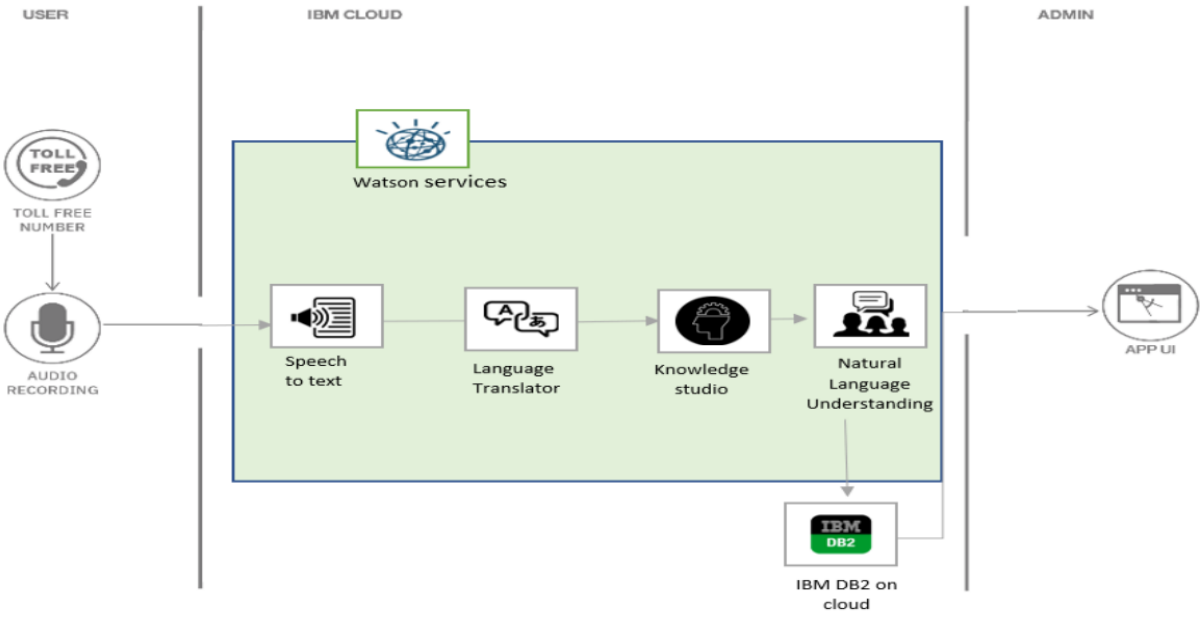
- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behaviour, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Solution Architecture Diagram:



Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2



S. No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Logic for a process in the application	Java / Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloud and etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local File system
8.	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
9.	External API-2	Purpose of External API used in the application	Aadhar API, etc.
10.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, etc.
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Technology of Open source framework
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g. SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Technology used
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Technology used

5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Technology used

6. PROJECT PLANNING & SCHEDULING:

6.1 Sprint Planning & Estimation:

Milestones	Activity	Priority	Team Members
Registration	1. Create the registration page UI.	Medium	Meenalochne S Akash Vishakarma Suhail khan Elizabeth debbarma
	2. Enter in the necessary fields on the registration page to complete it.	High	Meenalochne S Akash Vishakarma Suhail khan Elizabeth debbarma
	3. Employing Python Flask, create the button functionality.	High	Meenalochne S Akash Vishakarma Suhail khan Elizabeth debbarma
	4. send users a verification email so they may create an account.	High	Meenalochne S Akash Vishakarma Suhail khan Elizabeth debbarma
Login	1. Make the UI for the login page.	Medium	Meenalochne S Akash Vishakarma Suhail khan Elizabeth debbarma
	2. detailed login page and its features	Medium	Meenalochne S Akash Vishakarma Suhail khan Elizabeth debbarma
Search	1.Create a dataset	Low	Meenalochne S Akash Vishakarma Suhail khan Elizabeth debbarma

6.1Sprint Delivery Schedule :

Sprint	Total story point	duration	Sprint start date	Sprint end date	Story Points Completed (as on Planned End Date)	Story Points Completed (as on Planned End Date)
Sprint-1	11	6 days	01 Nov 2022	14 Nov 2022	11	14 Nov 2022
Sprint-2	4	6 days	01 Nov 2022	11 Nov 2022	7	11Nov 2022
Sprint-3	8	6 days	07 Nov 2022	15 Nov 2022	5	15 Nov 2022
Sprint-3	5	6 days	14 Nov 2022	19 Nov 2022	8	19 Nov 2022

7. CODING & SOLUTIONING:

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'jobs',
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'JobPortal.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': ["jobs/templates"],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
```

```
import os
import site
import sys

try:
    abs_file = os.path.abspath(__file__)
except NameError:
    raise AssertionError("You must use exec(open(this_file).read(), {'__file__': this_file}))")

bin_dir = os.path.dirname(abs_file)
base = bin_dir[: -len("Scripts") - 1]  # strip away the bin part from the __file__, plus the path separator

# prepend bin to PATH (this file is inside the bin directory)
os.environ["PATH"] = os.pathsep.join([bin_dir] + os.environ.get("PATH", "").split(os.pathsep))
os.environ["VIRTUAL_ENV"] = base  # virtual env is right above bin directory

# add the virtual environments libraries to the host python import mechanism
prev_length = len(sys.path)
for lib in "..\Lib\site-packages".split(os.pathsep):
    path = os.path.realpath(os.path.join(bin_dir, lib))
    site.addsitedir(path.decode("utf-8") if "" else path)
sys.path[:] = sys.path[prev_length:] + sys.path[0:prev_length]

sys.real_prefix = sys.prefix
sys.prefix = base
```

```
# Database
# https://docs.djangoproject.com/en/3.1/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': BASE_DIR / 'db.sqlite3',
    }
}


# Password validation
# https://docs.djangoproject.com/en/3.1/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]
```

```
"""
WSGI config for JobPortal project.

It exposes the WSGI callable as a module-level variable named ``application``.

For more information on this file, see
https://docs.djangoproject.com/en/3.1/howto/deployment/wsgi/
"""

import os

from django.core.wsgi import get_wsgi_application

os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'JobPortal.settings')

application = get_wsgi_application()
```

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"""

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from django.core.wsgi import get_wsgi_application

os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'JobPortal.settings')

application = get_wsgi_application()
```

```
from pathlib import Path
import os

# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent


# Quick-start development settings - unsuitable for production

# See https://docs.djangoproject.com/en/3.1/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = 'aralxt83cxseu%+7%(-wx3qrtf+xjrq64zg9lxw&88coqr3ha*'

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = True

ALLOWED_HOSTS = []


# Application definition

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
```

```
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'jobs',
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'JobPortal.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': ["jobs/templates"],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },

    },
]

WSGI_APPLICATION = 'JobPortal.wsgi.application'


# Database
# https://docs.djangoproject.com/en/3.1/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': BASE_DIR / 'db.sqlite3',
    }
}
```

```
# Password validation
# https://docs.djangoproject.com/en/3.1/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME':
'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME':
'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME':
'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME':
'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]


# Internationalization
# https://docs.djangoproject.com/en/3.1/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True




USE_L10N = True

USE_TZ = True


# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/3.1/howto/static-files/

STATIC_URL = '/static/'

STATICFILES_DIRS = [
    os.path.join(BASE_DIR, "jobs/static")
]
```

```
MEDIA_ROOT = os.path.join(BASE_DIR, 'jobs/media')
MEDIA_URL = '/media/'
```

```
"""
ASGI config for JobPortal project.

It exposes the ASGI callable as a module-level variable named ``application``.

For more information on this file, see
https://docs.djangoproject.com/en/3.1/howto/deployment/asgi/
"""

import os

from django.core.asgi import get_asgi_application

os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'JobPortal.settings')

application = get_asgi_application()
```

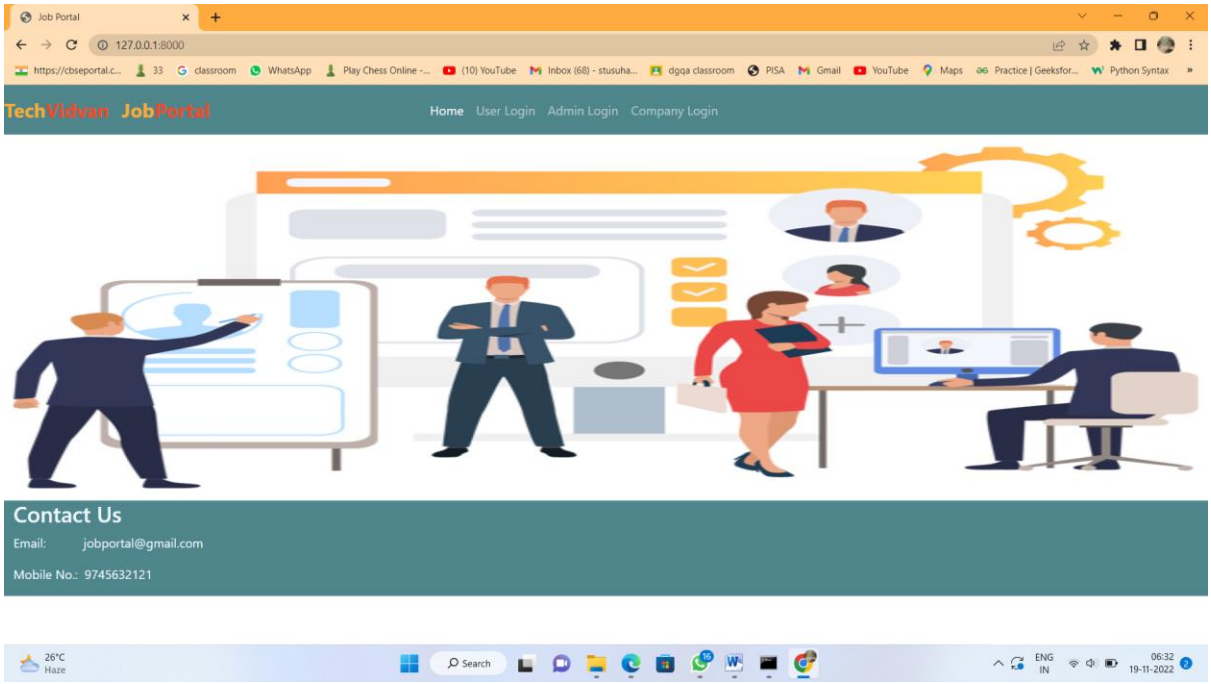
```
#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys

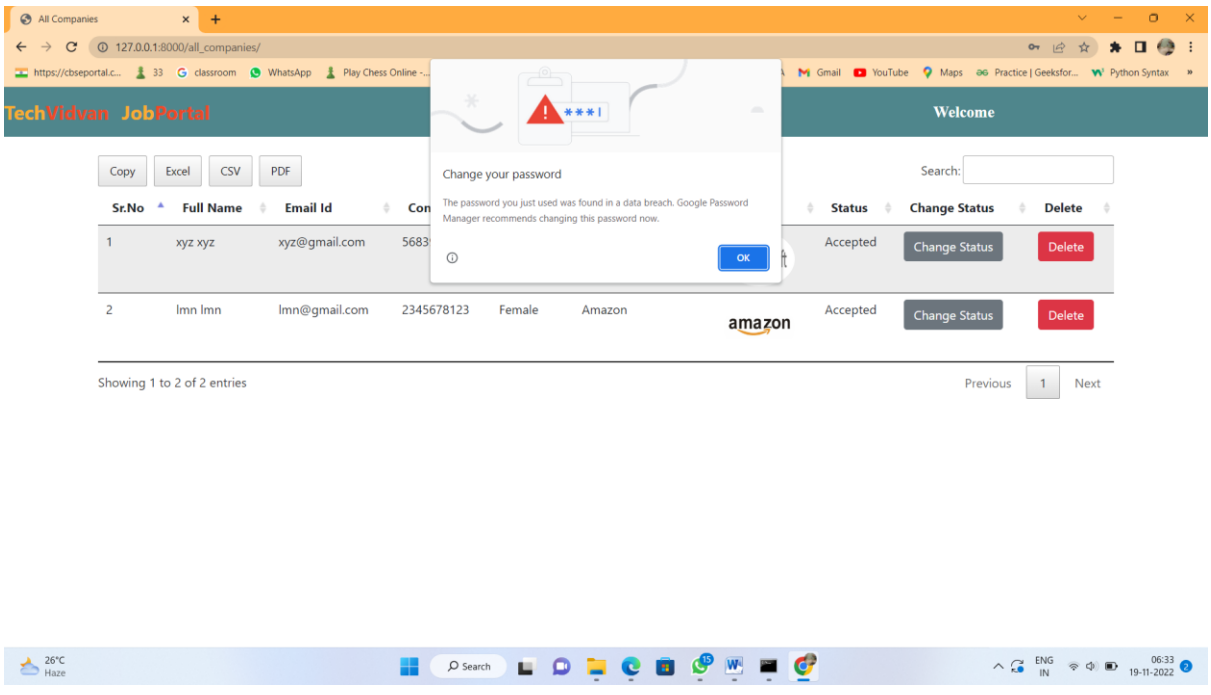

def main():
    """Run administrative tasks."""
    os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'JobPortal.settings')
    try:
        from django.core.management import execute_from_command_line
    except ImportError as exc:
        raise ImportError(
            "Couldn't import Django. Are you sure it's installed and "
            "available on your PYTHONPATH environment variable? Did you "
            "forget to activate a virtual environment?"
        ) from exc
    execute_from_command_line(sys.argv)
```

```
if __name__ == '__main__':
    main()
```

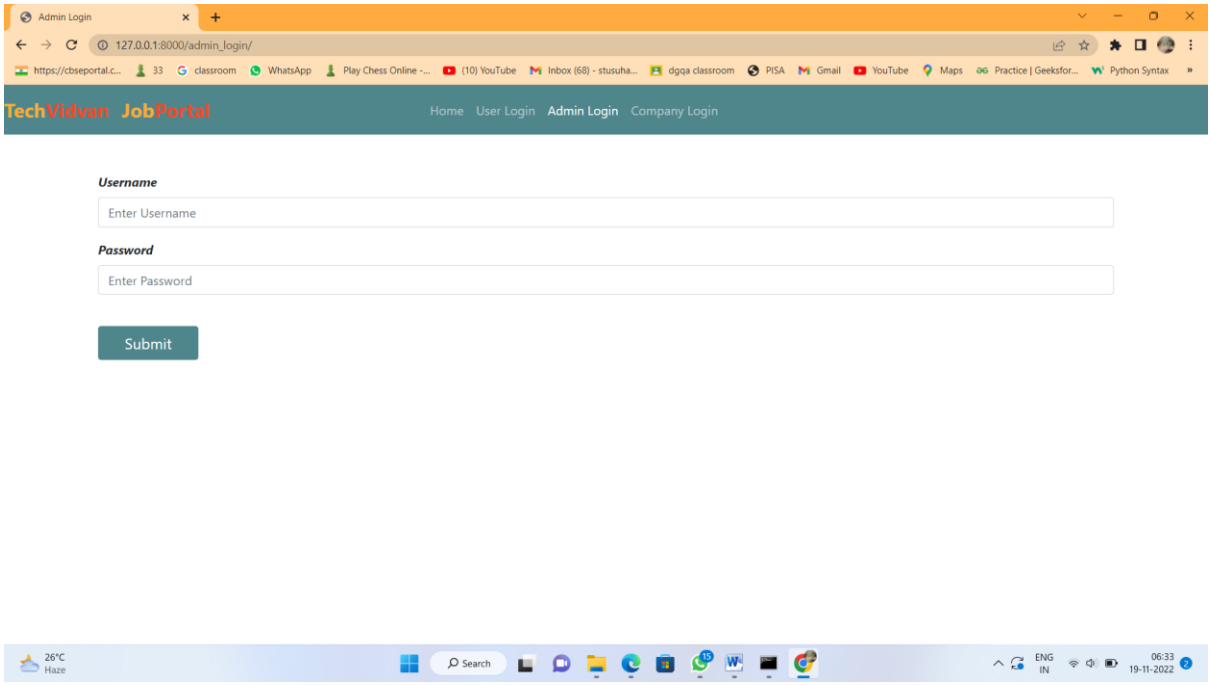
.

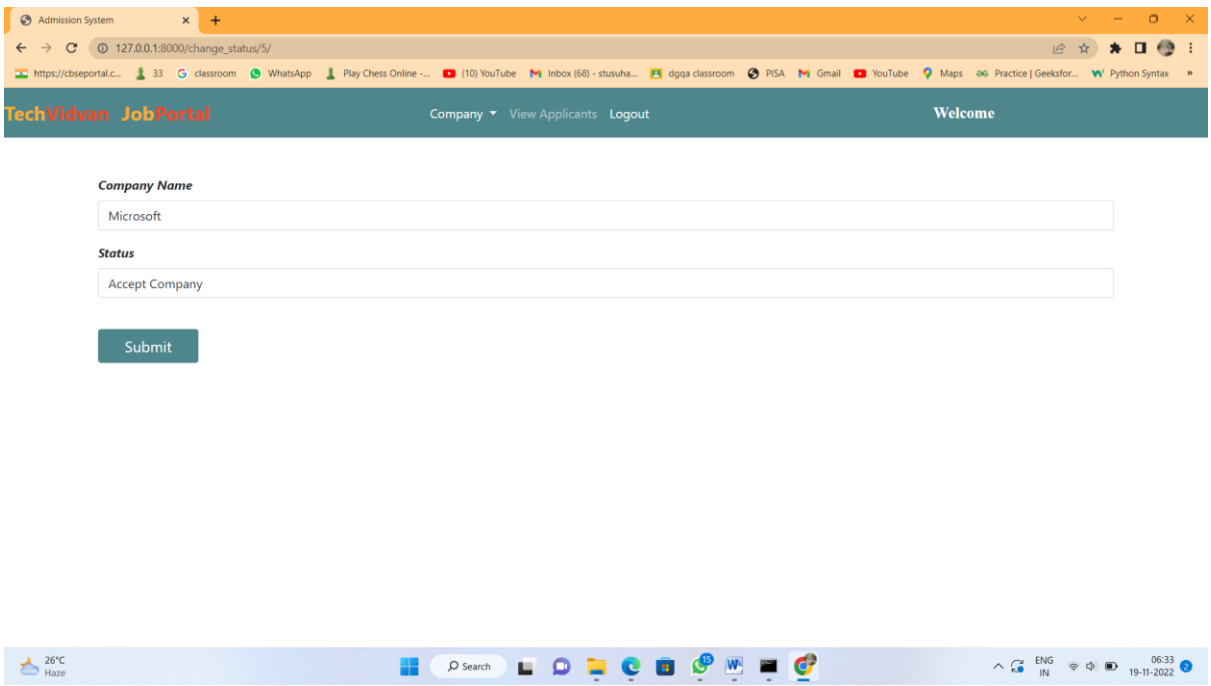
8.TESTING

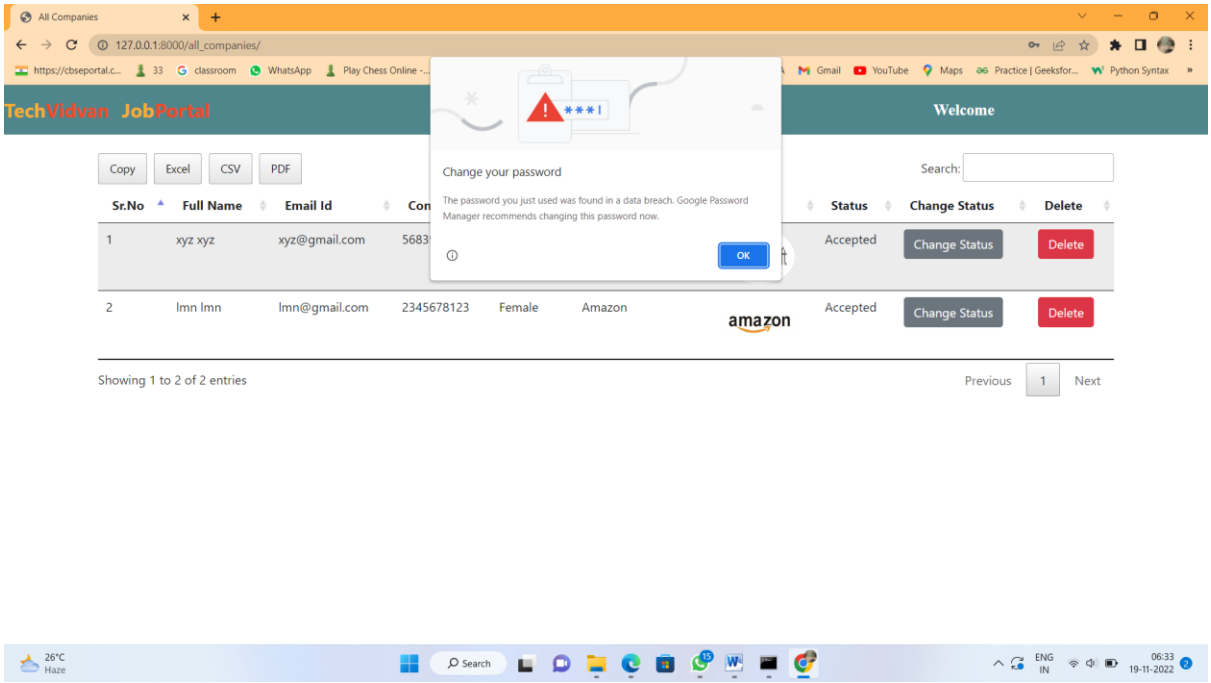


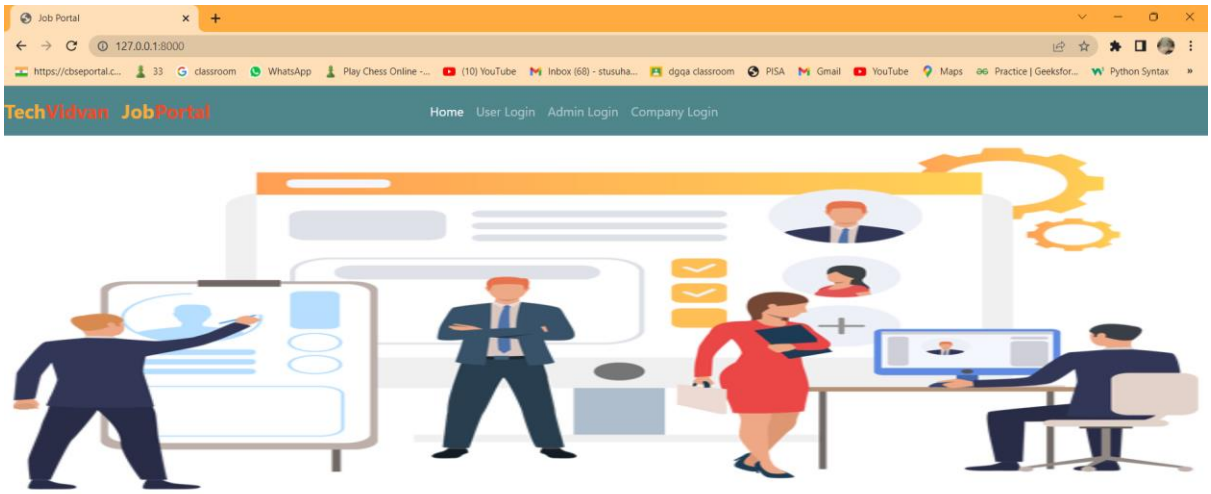


9.RESULTS


Admin Login
127.0.0.1:8000/admin_login/
TechVidvan JobPortal
Home
User Login
Admin Login
Company Login
Username
Enter Username
Password
Enter Password
Submit


Admission System
127.0.0.1:8000/change_status/5/
TechVidvan JobPortal
Company
View Applicants
Logout
Welcome
Company Name
Microsoft
Status
Accept Company
Submit


All Companies
127.0.0.1:8000/all_companies/
TechVidvan JobPortal
Welcome
Change your password
The password you just used was found in a data breach. Google Password Manager recommends changing this password now.
OK
Copy
Excel
CSV
PDF
Search:
Sr.No
Full Name
Email Id
Status
Change Status
Delete
1
xyz xyz
xyz@gmail.com
Accepted
Change Status
Delete
2
lmn lmn
lmn@gmail.com
2345678123
Female
Amazon
Accepted
Change Status
Delete
Showing 1 to 2 of 2 entries
Previous
1
Next


Job Portal
127.0.0.1:8000
TechVidvan JobPortal
Home
User Login
Admin Login
Company Login
Contact Us
Email: jobportal@gmail.com
Mobile No.: 9745632121

11. CONCLUSION:

In this project, we reviewed the existing literature of numerous publications and proceedings related to job suggestion researches and the hiring process. The issues that the entire e-recruiting platforms faced and our research of the literature have shown us the increased necessity for improving candidate quality and job matching. The recommender system technologies have achieved notable success in a variety of applications and could be effective searching and recommending methods. As a result, there is a significant possibility to use these technologies in the recruitment environment to enhance the quality of the matching jobs.

12. FUTURE SCOPE:

Building more effective AI models and more accurate prediction systems.
Creating a database to make it simple to identify the set of skills required for a certain position.

13. APPENDIX:

Video of the project:
https://drive.google.com/file/d/1Dfx9e31oKs7Ut85IaCPPhSQik5iXvH8P/view?usp=sharing

GitHub Link: https://github.com/IBM-EPBL/IBM-Project-21081-1659771979