Final Report

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Team Members: Saran Kumar R
Siva Ganesh G
Thirughanamuthuselvan S

1 Introduction

1.1 Project Overview

This Project will work on website to give the service to the job seeker . This is implemented using the python flask , HTML , CSS and IBM Products like DB2 to store the users related information, Object Storage to store the big data like images , videos, Chat Bot to interact with the user in effective manner.

First, job offers are collected from job search websites then they are prepared to extract meaningful attributes such as job titles and technical skills. Job offers with common features are grouped into clusters. As job seeker like one job belonging to a cluster, he will probably find other jobs in that cluster that he will like as well. A list of top n recommendations is suggested after matching data from job clusters and job seeker behavior, which consists on user interactions such as applications, likes and rating.

1.2 Purpose

Now-a- days more number of students are lacking out of job due to high competition. We guide them through our website so that they can easily get the job for their specific set of skills and we improve their knowledge through learning platform , so that they can improve for various other job roles.

2 Literature Survey

2.1 Existing Problem

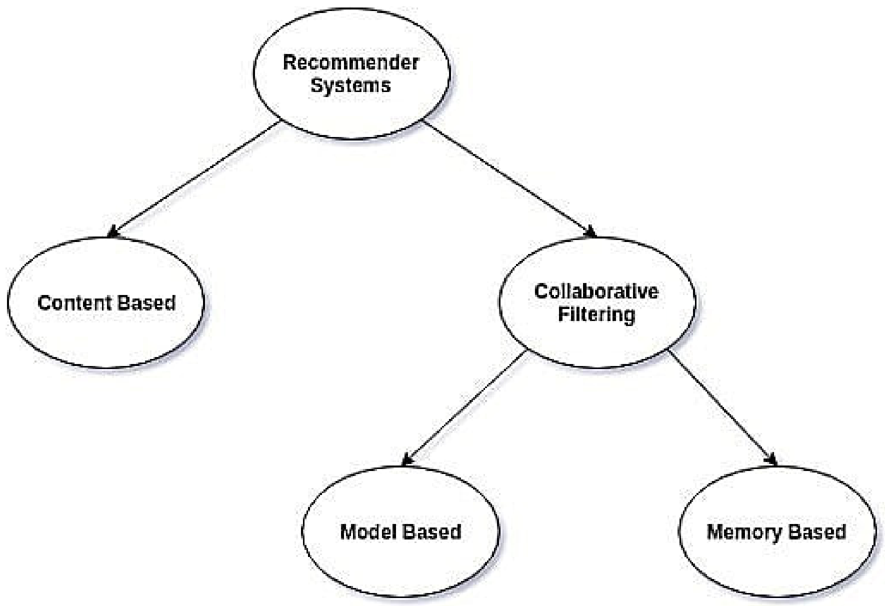
i) You're pressed for time

As we all deal with the ever-increasing complexity of modernlife, there seems to be no end to the demands on our time – and looking for a job is just one more. So, how do you squeeze a jobsearch into your already overcrowded schedule? How much timeshould you allot to this activity?

Well, there's an old expression that says looking for a job is afull-time job. Now, this may be a bit of an exaggeration, but the fact of the matter is that the employment process can be extremely complicated and time-consuming.

ii) You lack a strong online presence

This issue seems to be more prevalent among certain groups. For example, individuals re-entering the job market after being out of work for some time for whatever reason (like raising a child or taking care of a loved one), people who have held the same job or worked at the same company for a long time, and older individuals who may not be tech-savvy. Individuals in these groups, and others, have likely never developed a professional online profile.



References

Lee I (2007). An Architecture for a Next-GenerationHolistic E-Recruiting System. Commun.ACM 50(7):81-85.

2. Färber F, Weitzel T, Keim T (2003). An Automated Recommendation Approach to Selection in Personnel

Recruitment. In Proceedings of AMCIS. Tampa, FL, USA, AISeL.

3. Lang S, Laumer S, Maier C, Eckhardt A (2011). Drivers, Challenges and Consequences of E-Recruiting–A Literature Review. SIGMISCPR'11. San Antonio, Texas, USA, ACM pp. 26-35.

4. Brusilovsky P (2001). Adaptive hypermedia. User Model.User Adapt. Interact. 11(1- 2):87-110.

2.3 Problem Statement Definition

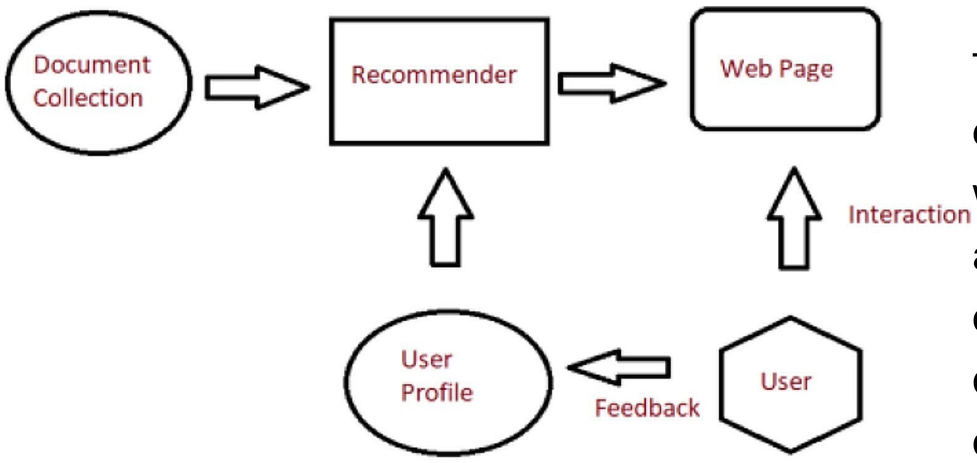


Fig: Recommender System

To develop an end-to-end web application capable of displaying the current job openings based on the user skill set. Users will interact with the chat-bot and Can get recommendations based on their skills. We can use a job searchAPI to get the current job

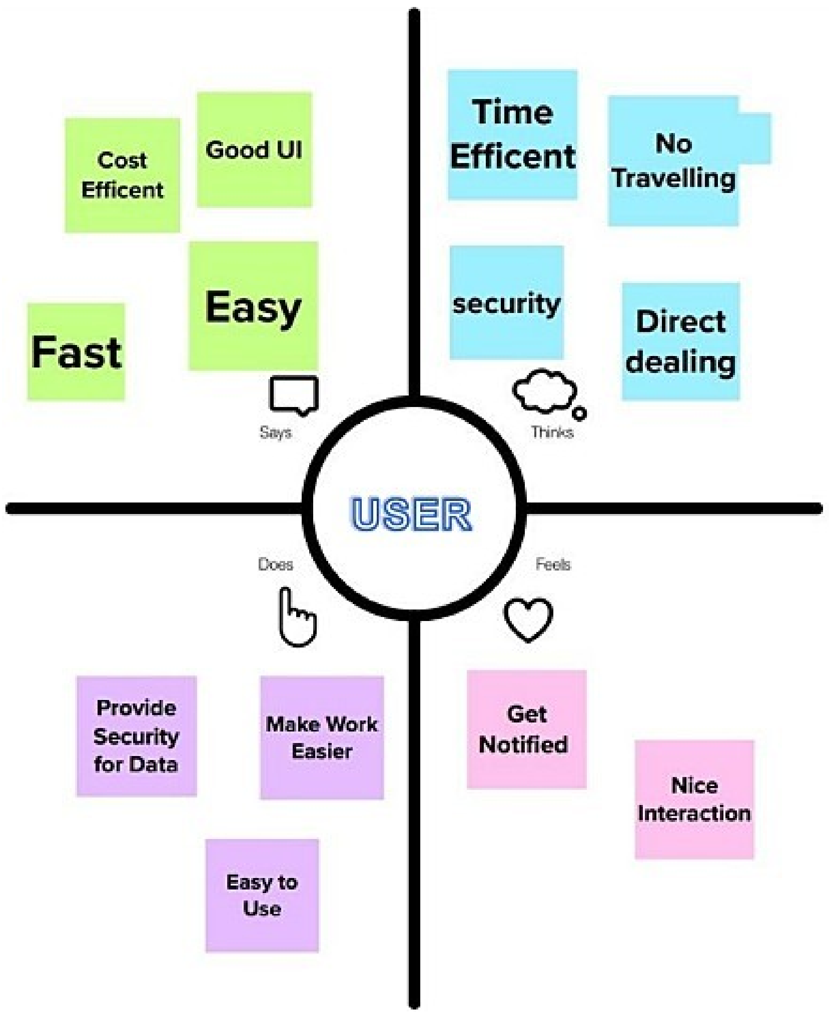
openings in the market which will fetch the data directly from theweb-page.
Recommend a job who are seeking for jobs through online platform.

How this is achieve ?

By the above figure , we collect the user releated informationand company related information and provide a job for their skills.

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map



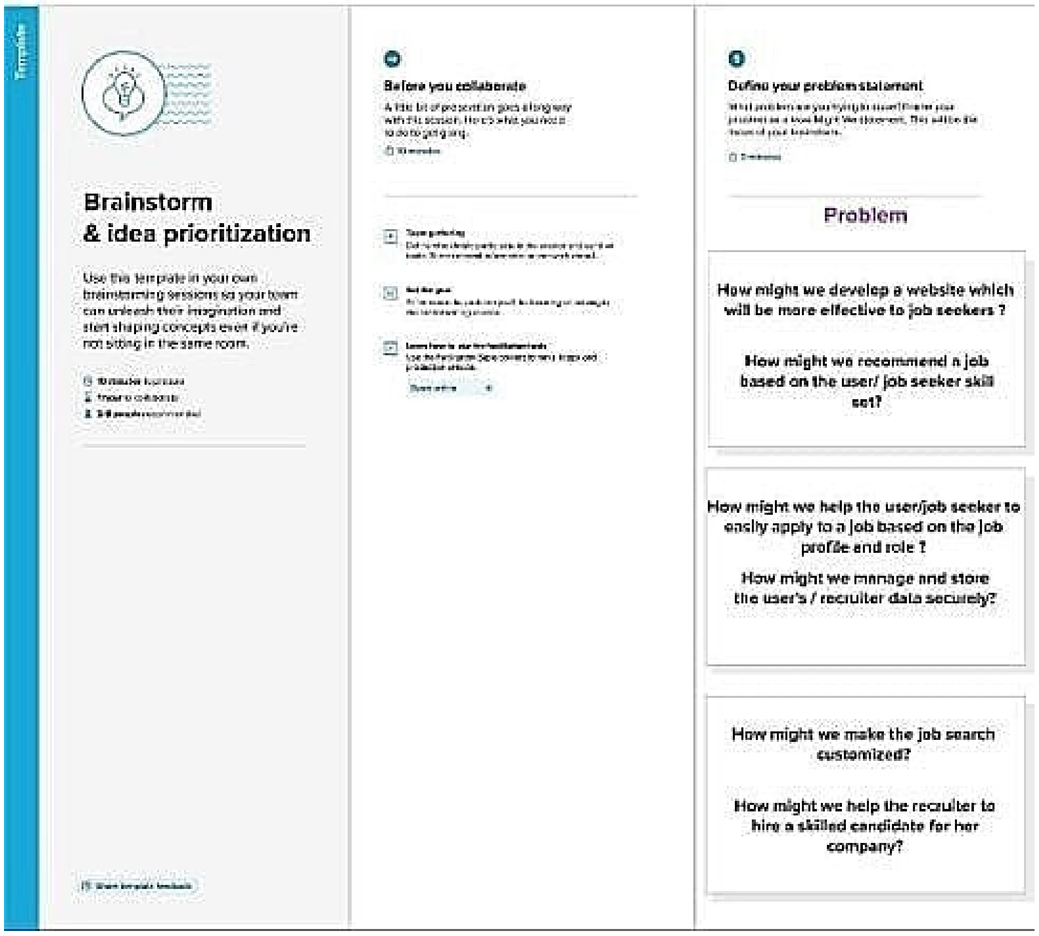
3.2 Ideation & Brainstromin

Brainstorming provides a free and open environment that encourages everyone within a teamtoparticipate in the creative thinking process thatleads toproblem solving. Prioritizing volume over value, out-of- the-box ideas are welcome and built upon, and all participants areencouraged to collaborate, helping eachother develop a rich amountof creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: https:/ www.mural.co/templates/empathy-map-canvas

Step-1: Team Gathering, Collaboration and Select the Problem Statement



Brainstorm
& idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

Define your problem statement

Problem

How might we develop a website which will be more effective to job seekers ?

How might we recommend a job based on the user/ job seeker skill set?

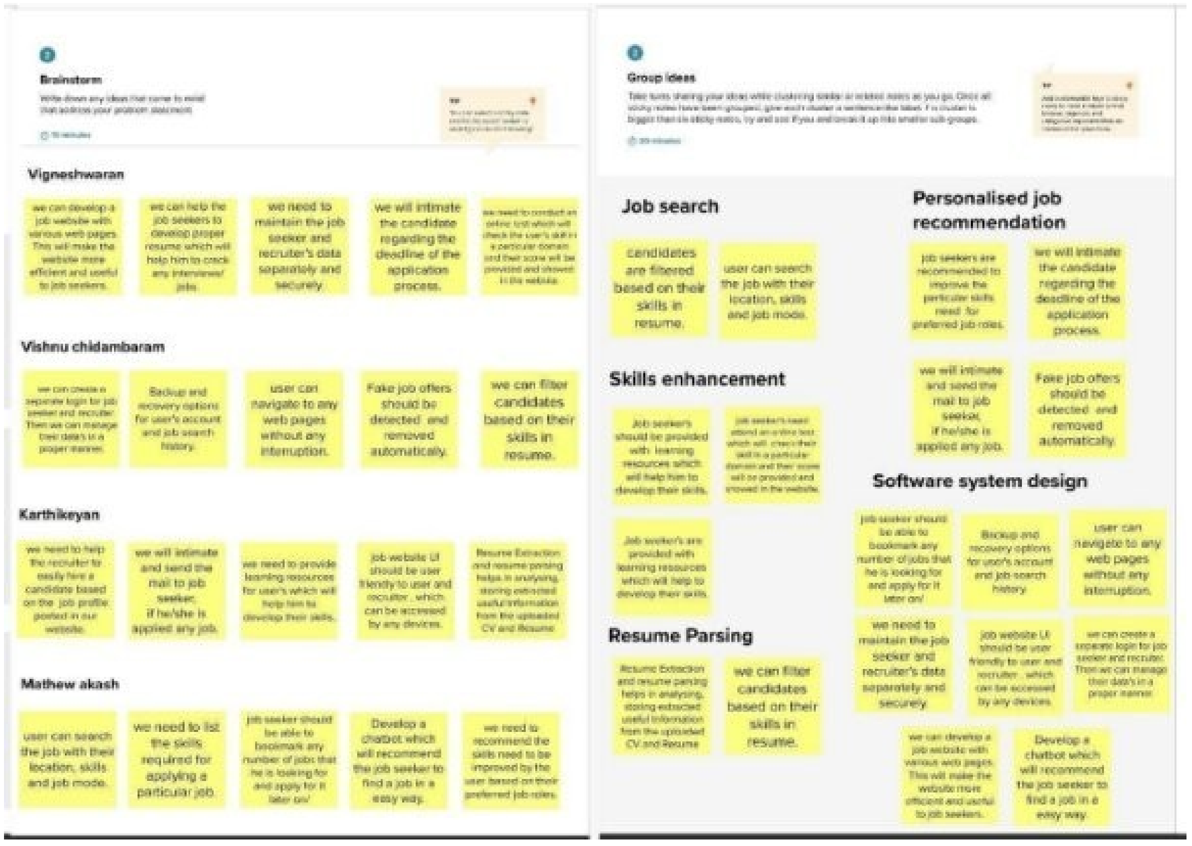
How might we help the user/job seeker to easily apply to a Job based on the Job profile and role ?

How might we manage and store the user's / recruiter data securely?

How might we make the job search customized?

How might we help the recruiter to hire a skilled candidate for her company?

Step-2: Brainstorm, Idea Listing and Grouping



Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

[illegible]

Vigneshwaran

- we can develop a job website with various web pages. This will make the website more efficient and useful to job seekers.
- we can help the job seekers to develop proper resume which will help him to crack any interviews/ jobs.
- we need to maintain the job seeker and recruiter's data separately and securely
- we will intimate the candidate regarding the deadline of the application process.
- we need to conduct an online test which will check the user's skill in a particular domain and their score will be provided and showed in the website.

Vishnu chidambaram

- we can create a separate login for job seeker and recruiter. Then we can manage their data's in a proper manner.
- Backup and recovery options for user's account and job search history.
- user can navigate to any web pages without any interruption.
- Fake job offers should be detected and removed automatically.
- we can filter candidates based on their skills in resume.

Karthikeyan

- we need to help the recruiter to easily hire a candidate based on the job profile posted in our website.
- we will intimate and send the mail to job seeker, if he/she is applied any job.
- we need to provide learning resources for user's which will help him to develop their skills.
- job website UI should be user friendly to user and recruiter, which can be accessed by any devices.
- Resume Extraction and resume parsing helps in analysing, storing extracted useful information from the uploaded CV and Resume

Mathew akash

- user can search the job with their location, skills and job mode.
- we need to list the skills required for applying a particular job.
- job seeker should be able to bookmark any number of jobs that he is looking for and apply for it later on/
- Develop a chatbot which will recommend the job seeker to find a job in a easy way.
- we need to recommend the skills need to be improved by the user based on their preferred job roles.

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

[illegible]

Job search

- candidates are filtered based on their skills in resume.
- user can search the job with their location, skills and job mode.

Personalised job recommendation

- job seekers are recommended to improve the particular skills need for preferred job roles.
- we will intimate the candidate regarding the deadline of the application process.
- we will intimate and send the mail to job seeker, if he/she is applied any job.
- Fake job offers should be detected and removed automatically.

Skills enhancement

- Job seekers should be provided with learning resources which will help him to develop their skills.
- Job seeker's need attend an online test which will check their skill in a particular domain and their score will be provided and showed in the website.
- Job seeker's are provided with learning resources which will help to develop their skills.

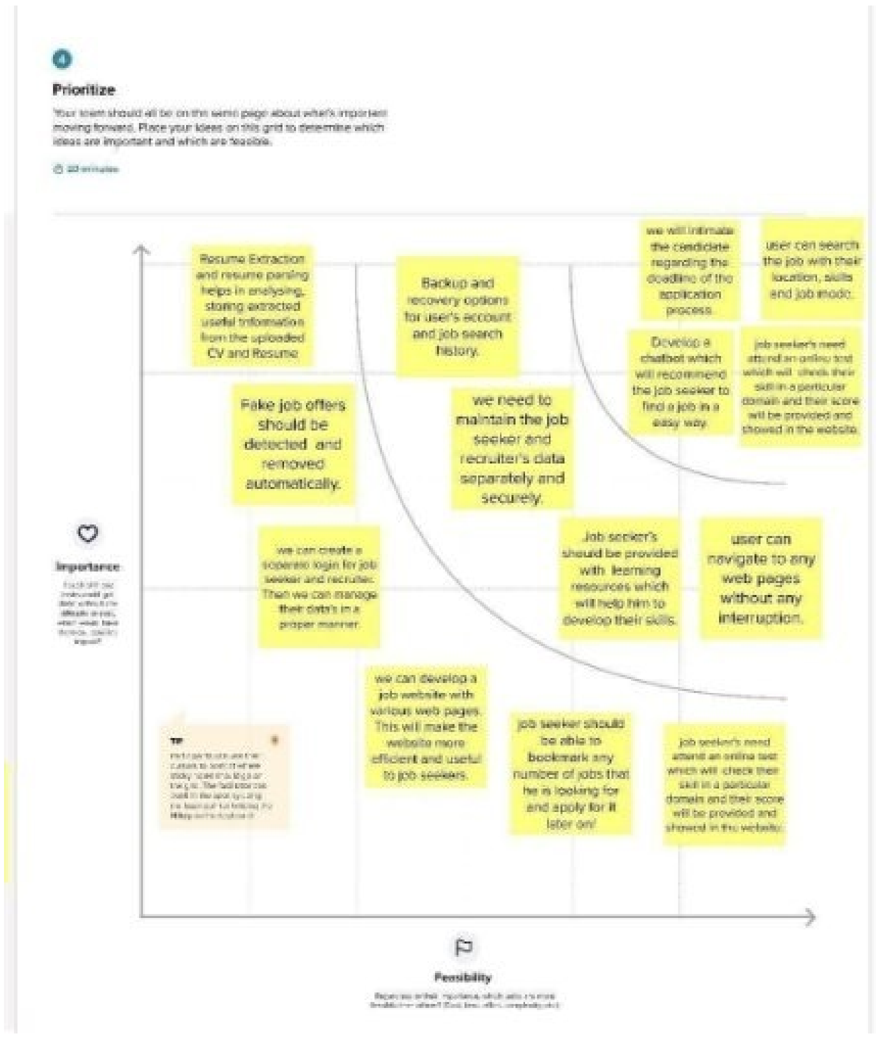
Software system design

- job seeker should be able to bookmark any number of jobs that he is looking for and apply for it later on/
- Backup and recovery options for user's account and job search history
- user can navigate to any web pages without any interruption.
- we need to maintain the job seeker and recruiter's data separately and securely
- job website UI should be user friendly to user and recruiter, which can be accessed by any devices.
- we can create a separate login for job seeker and recruiter. Then we can manage their data's in a proper manner.
- we can develop a job website with various web pages. This will make the website more efficient and useful to job seekers.
- Develop a chatbot which will recommend the job seeker to find a job in a easy way.

Resume Parsing

- Resume Extraction and resume parsing helps in analysing, storing extracted useful information from the uploaded CV and Resume
- we can filter candidates based on their skills in resume.

Step-3: Idea Prioritization



4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

Resume Extraction and resume parsing helps in analysing, storing extracted useful information from the uploaded CV and Resume

Backup and recovery options for user's account and job search history.

we will intimate the candidate regarding the deadline of the application process.

user can search the job with their location, skills and job mode.

Develop a chatbot which will recommend the job seeker to find a job in a easy way.

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job seeker should be able to bookmark any number of jobs that he is looking for and apply for it later on!

job seeker's need attend an online test which will check their skill in a particular domain and their score will be provided and showed in the website.

3.3 Proposed solution

Proposed Solution Template:

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

S.No.	**Parameter**	**Description**
1.	Problem Statement (Problem to besolved)	To develop an end-to-end web application capable of displaying the current job openings based on the user skill set. Users will interact with the chat-bot and can get recommendationsbased on their skills. We can use a job search APIto get the current job openings in the market which will fetchthe data directly from the web-page.
2.	Idea / Solution description	We have an idea to recommend many jobs frommany companies for which role you want and also it shows number of vacancies available in companies. Surely it is an application for all domain graduates.
3.	Novelty / Uniqueness	This Application uniquely identifies the user’s skills recommend the job according to the user’sinterest.
4.	Social Impact / Customer Satisfaction	This Application will help user togain more knowledge about thecompany, their job role,companyvacancies and the company expectations.
5.	Business Model (Revenue Model)	Cost effective, User friendly.

6.	Scalability of the Solution	It is lifelong recommender app. Once the user has login to this application, he will be notifiedabout the job up to date.

3.4 Problem solution fit

1.Customer Segments:	6.Customer constrains:	5.Available solutions:
Graduates easily find job opportunities throughonline in everywhere.	Constraint that customer will face about data security which they provided to the site.	Alert through notifications in which areathey are interested.

2.Jobs to be done :	9.Problem route cause:	7.Behavior:
Notify them through message and emails.	Finding job opportunities in newspaperand reference through friends is difficult task.	Providing the information with real time.

3.Triggers:	10.Solution:	8.Channels of behavior:
Make a refferal opttion so advertise andshow advertisement in websites. **4.Emotions:** Now days many graduates are in unemployment situation.By using this application they get a job means graduates feelhappy.	Skill and job application recommend many jobs from many companies for which role you want and also is shownumber of vacancies available in companies.	**8.18.1 online:** Using chat bot we can clarify the customer queries **8.28.2 offline:** Make an option of cart so that they

		can view about the jobdetails even in offline.

4 Requirement Analysis

Requirements analysis, also called requirements engineering, is the process of determining user expectations for a new or modified product. These features, called requirements, must be quantifiable, relevant and detailed. In software engineering, suchrequirements are often called functional specifications.

4.1 Functional Requirements

Requirements analysis is a set of operations that helps define users' expectations of the application you are building or modifying. Software engineering professionals sometimes call itrequirement engineering, requirements capturing or requirement gathering.

The process involves analyzing, documenting, validating and managing system or software requirements. Requirements analysis involves various tasks that help engineers understand stakeholder demands and explain them in simple and visual ways.Itis essential to a software or system project's success.

For a project to be successful, its requirements must be:

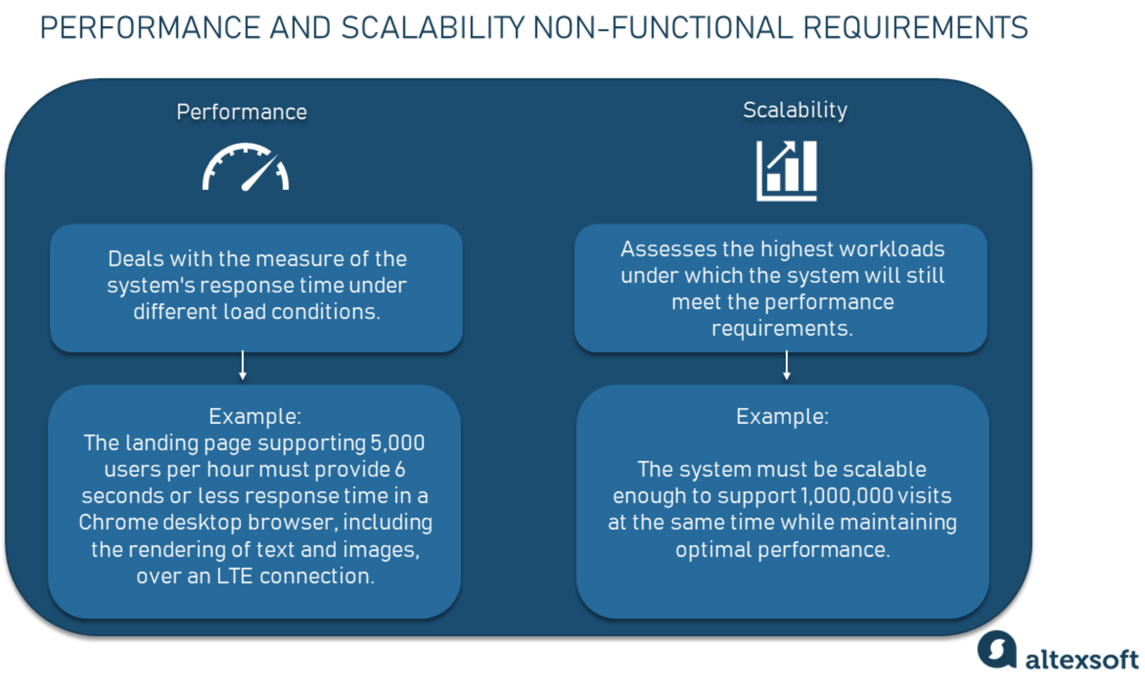
> Testable --> Actionable

> Documented --> Measurable

> Tracable

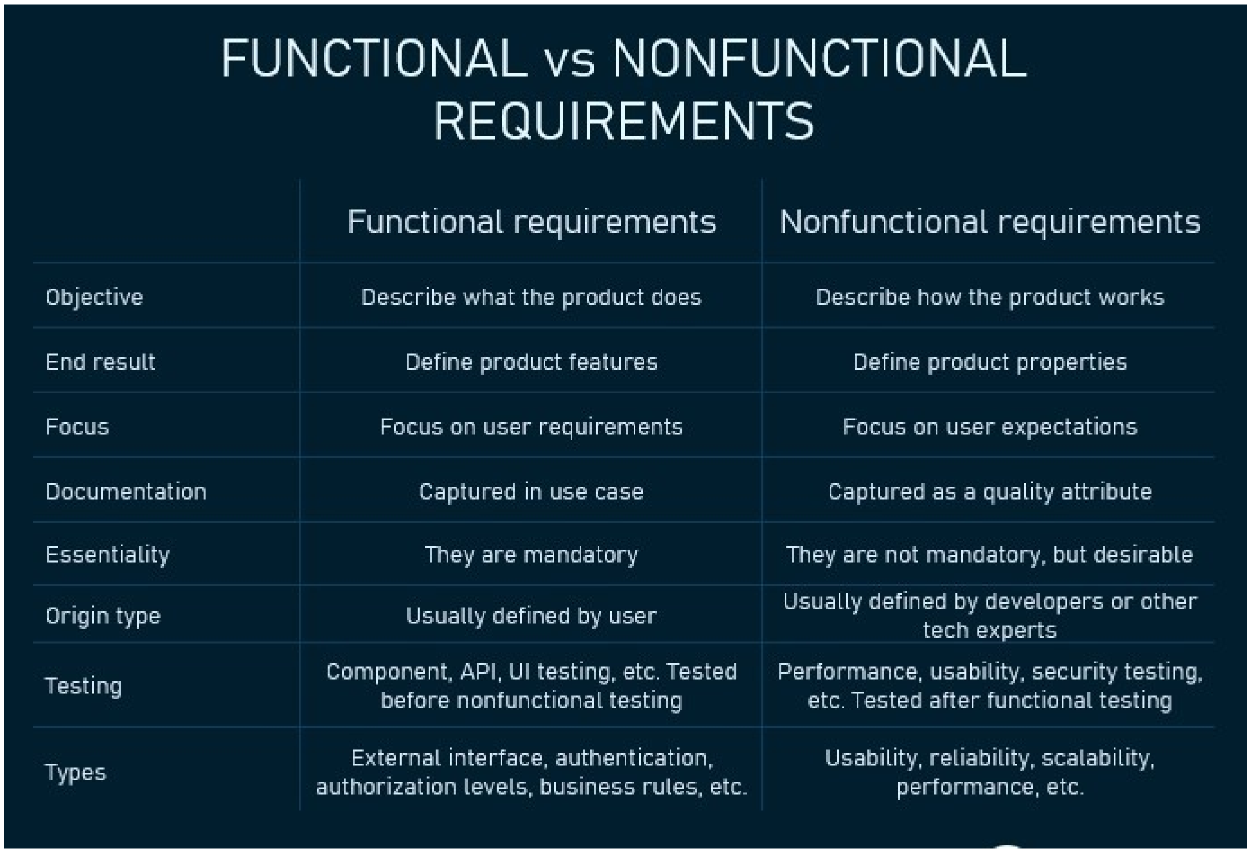
Requirements analysis involves various stakeholders, such asproject sponsors, throughout the project as well as end users whose inputs are most important. The best results typically occurwhen all parties work together to develop a high-quality requirements document.

4.2 Non - Functional Requirements


PERFORMANCE AND SCALABILITY NON-FUNCTIONAL REQUIREMENTS
Performance
Deals with the measure of the system's response time under different load conditions.
Example:
The landing page supporting 5,000 users per hour must provide 6 seconds or less response time in a Chrome desktop browser, including the rendering of text and images, over an LTE connection.
Scalability
Assesses the highest workloads under which the system will still meet the performance requirements.
Example:
The system must be scalable enough to support 1,000,000 visits at the same time while maintaining optimal performance.
altexsoft

Nonfunctional Requirements (NFRs) define system attributes such as **security, reliability, performance, maintainability, scalability, and usability**. They serve as constraints or restrictionson the design of the system across thedifferent backlogs.

Difference Between Functional and non- functional Requirements



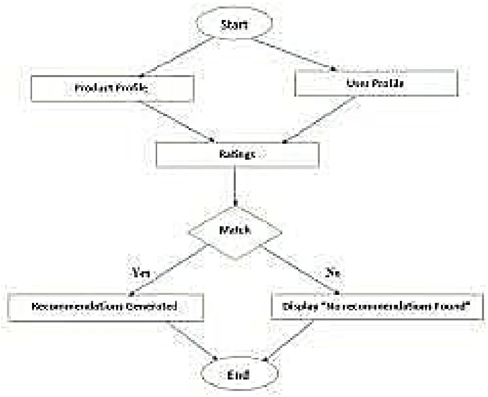
FUNCTIONAL vs NONFUNCTIONAL REQUIREMENTS

	Functional requirements	Nonfunctional requirements
Objective	Describe what the product does	Describe how the product works
End result	Define product features	Define product properties
Focus	Focus on user requirements	Focus on user expectations
Documentation	Captured in use case	Captured as a quality attribute
Essentiality	They are mandatory	They are not mandatory, but desirable
Origin type	Usually defined by user	Usually defined by developers or other tech experts
Testing	Component, API, UI testing, etc. Tested before nonfunctional testing	Performance, usability, security testing, etc. Tested after functional testing
Types	External interface, authentication, authorization levels, business rules, etc.	Usability, reliability, scalability, performance, etc.

5 Project Design

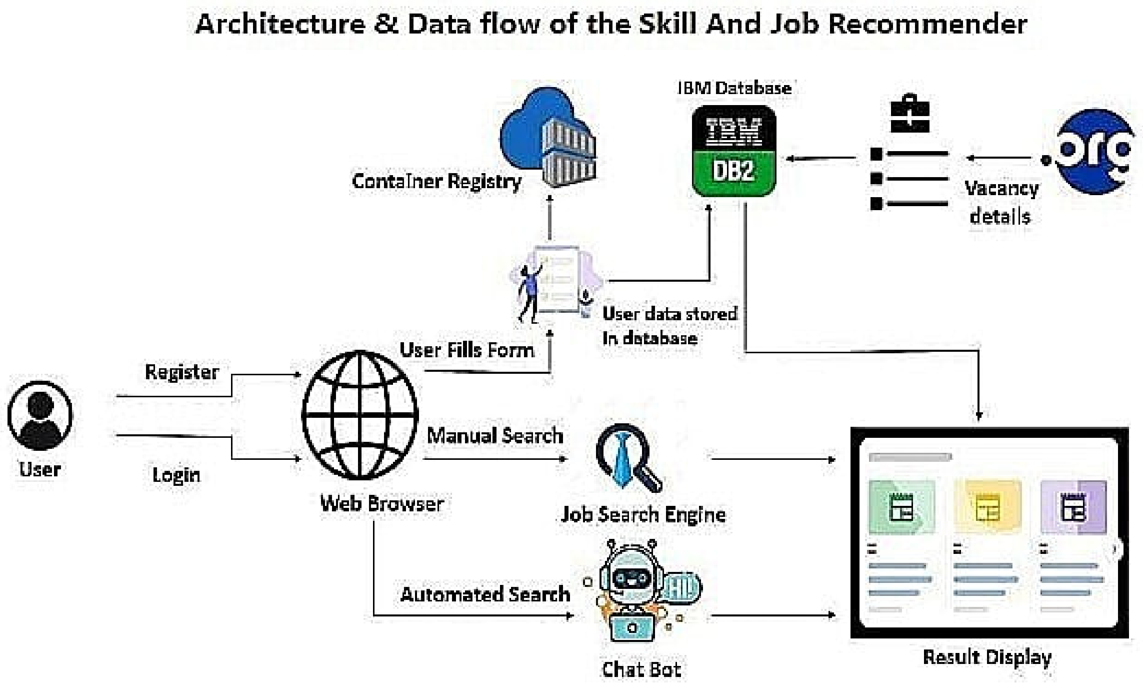
5.1 Data flow Diagrams

The below diagram shows the data flow of our application



Solution Architecture:

Solution Architecture Diagram:



Solution architecture is a complex process with many sub-process that bridges the gap between business problems and technology solutions . Its goals are to:

> Final the best tech solutions to solve existing business problems

> Describe the structure , characteristics,behaviour and other aspects of the software to project stakeholders.

> Define features , developement process and solutionrequirements.

> Provide specifications according to which the solution isdefined , managed and delivered.

5.3 Users Stories

Our End User:

Our end users are the persons who are seeking for jobs for their attained skills.

Their needs:

They need a faster job recommending system to choose their jobs and they need some educational content support.

What we delivery to them(Benefit):

We provide all their aspects through our application so that they can fulfill their needs and they attend th company process easily and we grantee.

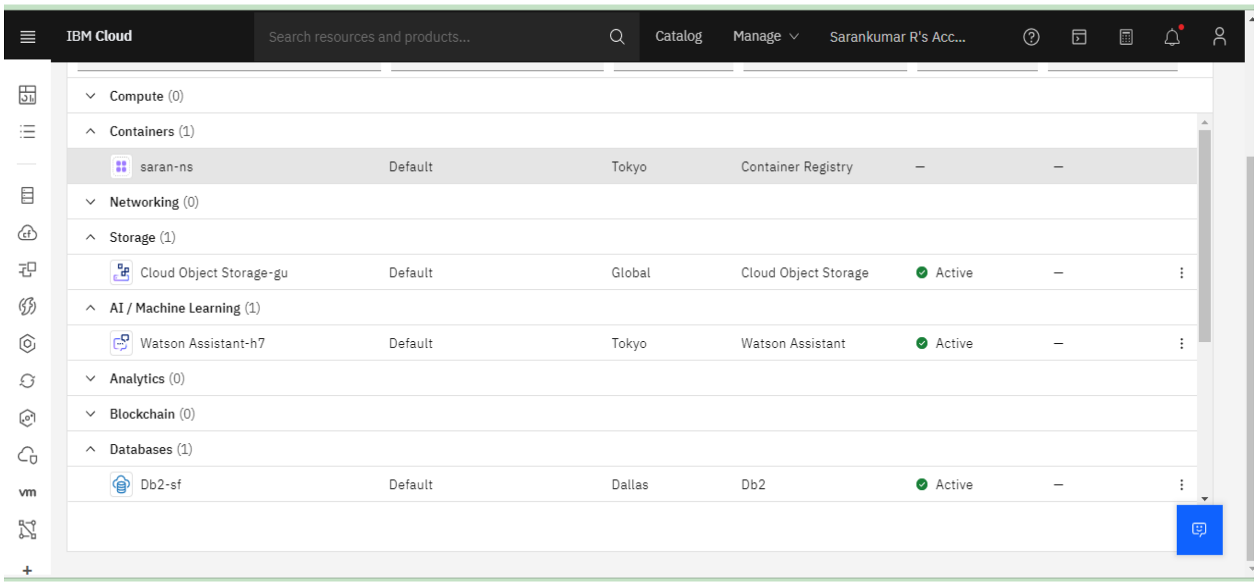
6 Project Planning & Scheduling

Sprint 1

REQUIRED SERVICES:

1. ***IBM DB2***
2. ***IBM OBJECT STORAGE***
3. ***IBM WATSON ASSISTANT***
4. ***IBM CONTAINERS***
5. ***SENDGRID INTEGARATION (TWILIO)***

CREATING CLOUD ACCOUNT:



Compute (0)					
Containers (1)					
saran-ns	Default	Tokyo	Container Registry	–	–
Networking (0)					
Storage (1)					
Cloud Object Storage-gu	Default	Global	Cloud Object Storage	Active	–
AI / Machine Learning (1)					
Watson Assistant-h7	Default	Tokyo	Watson Assistant	Active	–
Analytics (0)					
Blockchain (0)					
Databases (1)					
Db2-sf	Default	Dallas	Db2	Active	–

CREATE DATABASE AND TABLES IN IBM DB2:

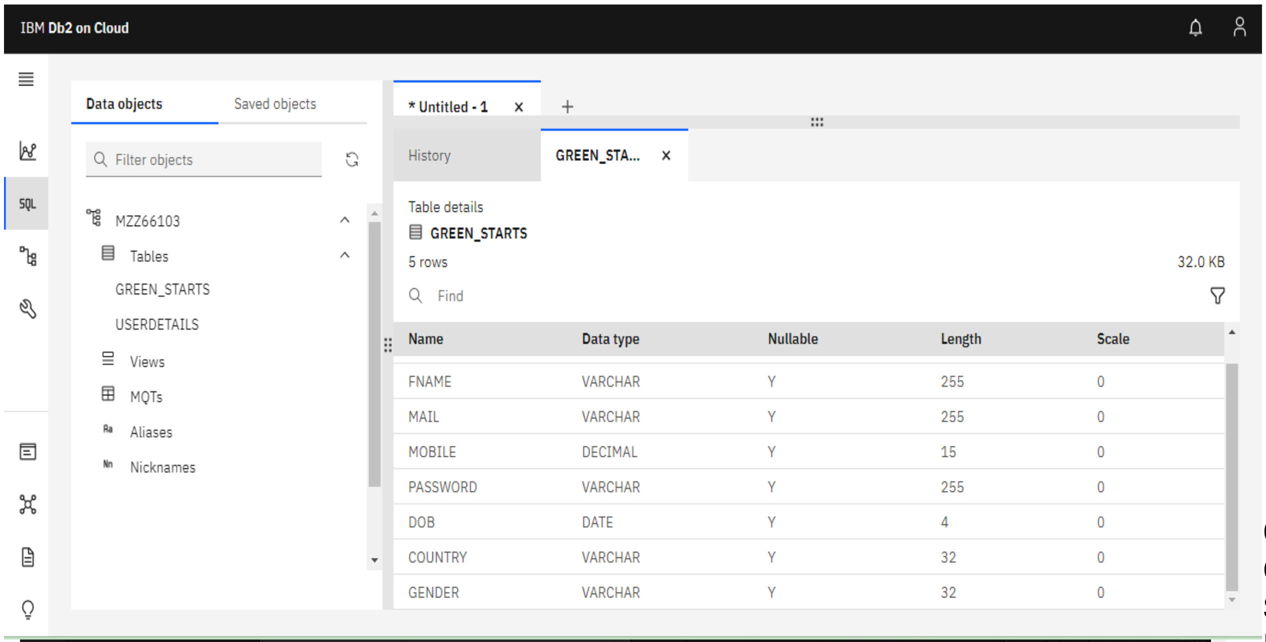


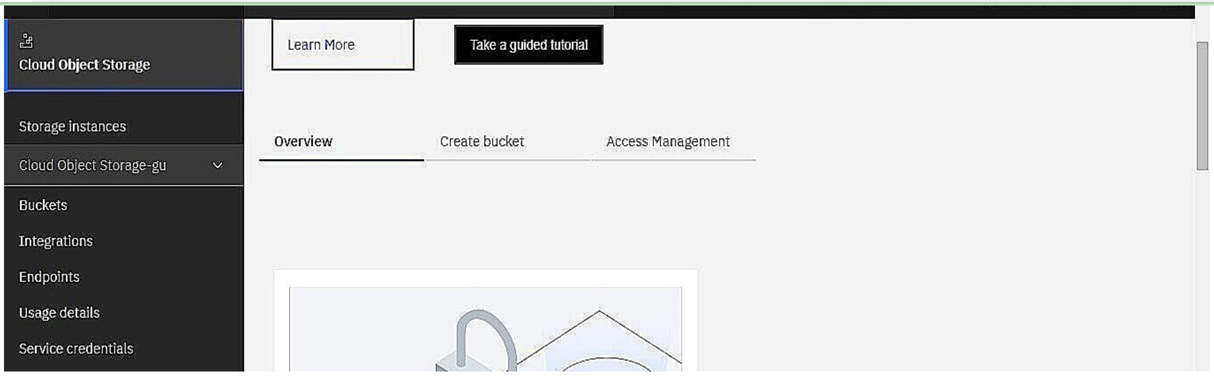
Table details

GREEN_STARTS

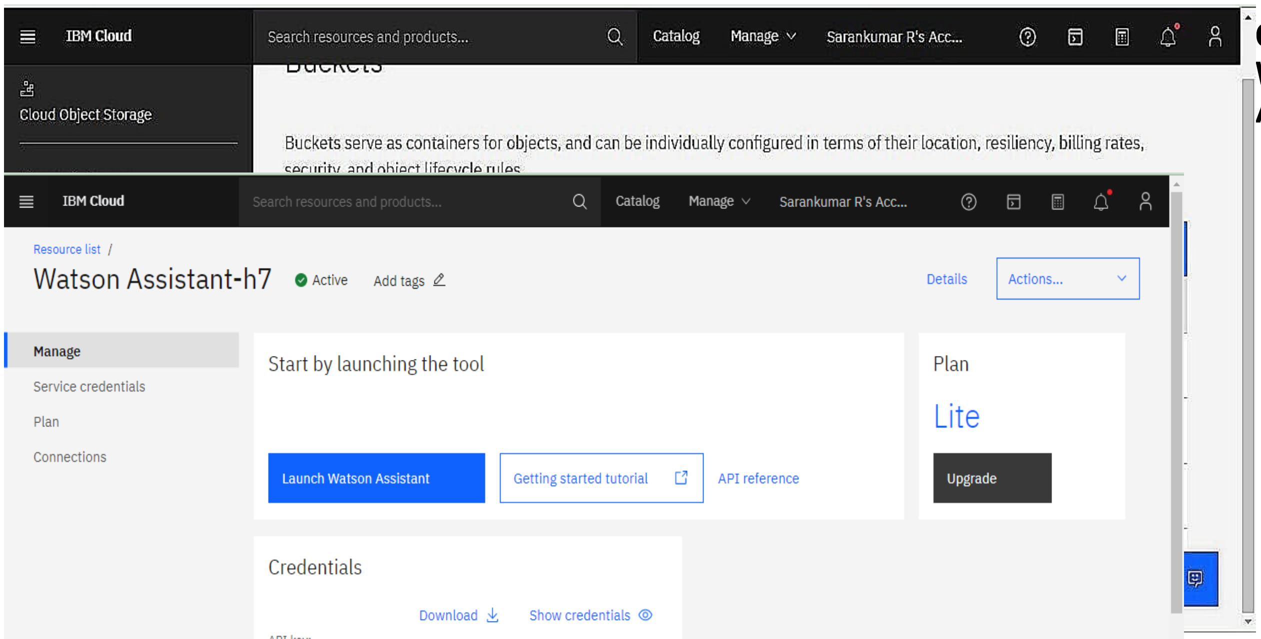
5 rows 32.0 KB

Name	Data type	Nullable	Length	Scale
FNAME	VARCHAR	Y	255	0
MAIL	VARCHAR	Y	255	0
MOBILE	DECIMAL	Y	15	0
PASSWORD	VARCHAR	Y	255	0
DOB	DATE	Y	4	0
COUNTRY	VARCHAR	Y	32	0
GENDER	VARCHAR	Y	32	0

CREATION OF OBJECT STORAGE IN IBMCLOUD:



CLOUD OBJECT STORAGE BUCKETS:



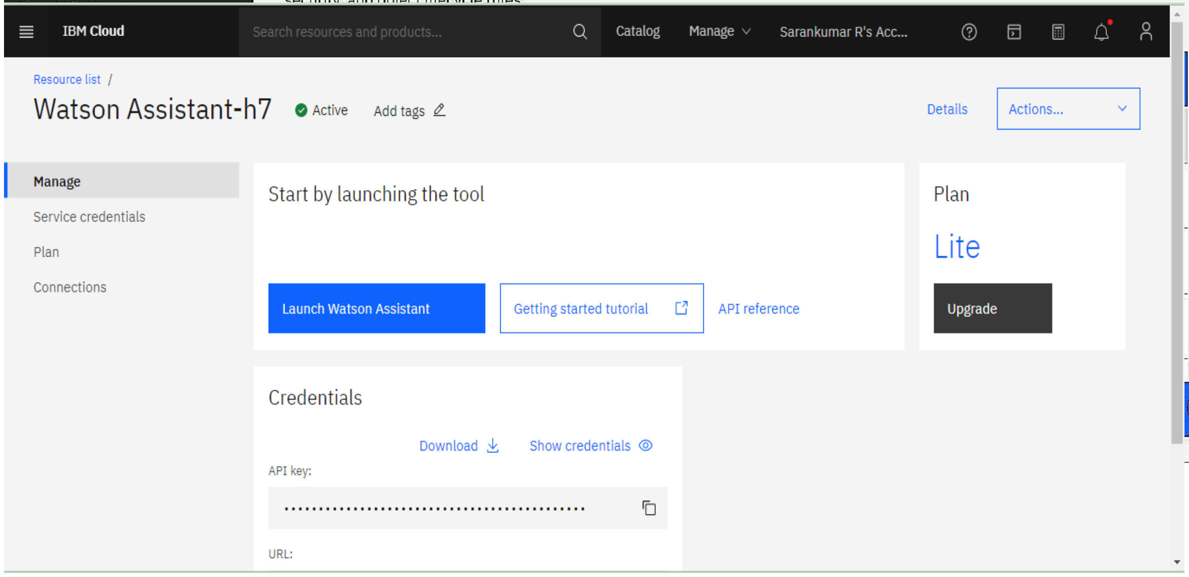
IBM Cloud | Search resources and products... | Catalog | Manage | Sarankumar R's Acc...

Cloud Object Storage

Buckets

Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.

CREATING WATSON ASSISTANT:



IBM Cloud | Search resources and products... | Catalog | Manage | Sarankumar R's Acc...

Resource list /

Watson Assistant-h7 ● Active Add tags

Details | Actions...

Start by launching the tool

Plan

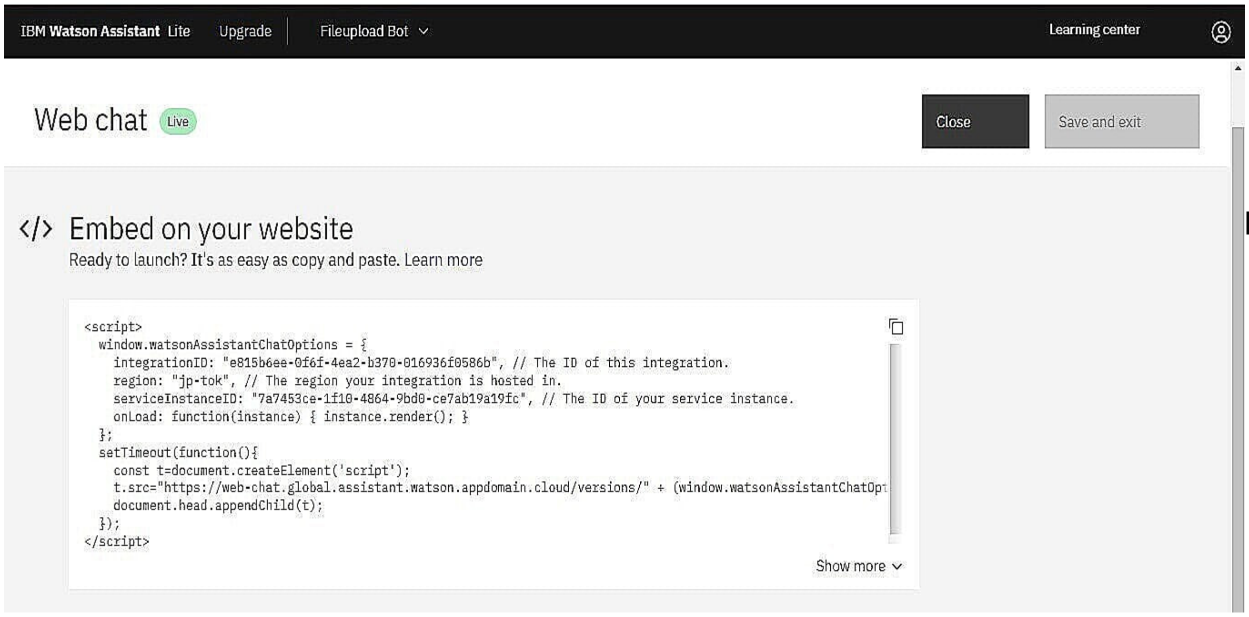
Lite

Credentials

API key: ....

URL:

EMBEDD WATSON ASSISTANT ON TO THE WEBSITE:



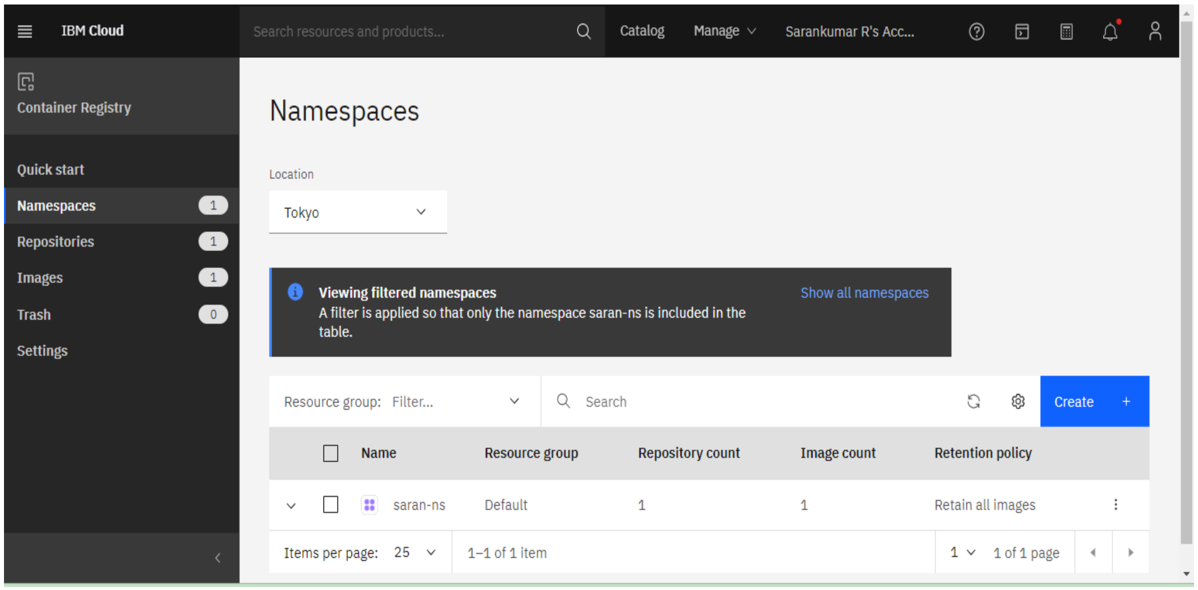
Embed on your website

Ready to launch? It's as easy as copy and paste. Learn more

```
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "e815b6ee-0f6f-4ea2-b370-016936f0586b", // The ID of this integration.
    region: "jp-tok", // The region your integration is hosted in.
    serviceInstanceID: "7a7453ce-1f10-4864-9bd0-ce7ab19a19fc", // The ID of your service instance.
    onLoad: function(instance) { instance.render(); }
  };
  setTimeout(function(){
    const t=document.createElement('script');
    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOpt
    document.head.appendChild(t);
  });
</script>
```

IBM

CONTAINER REGISTRY:



Namespaces

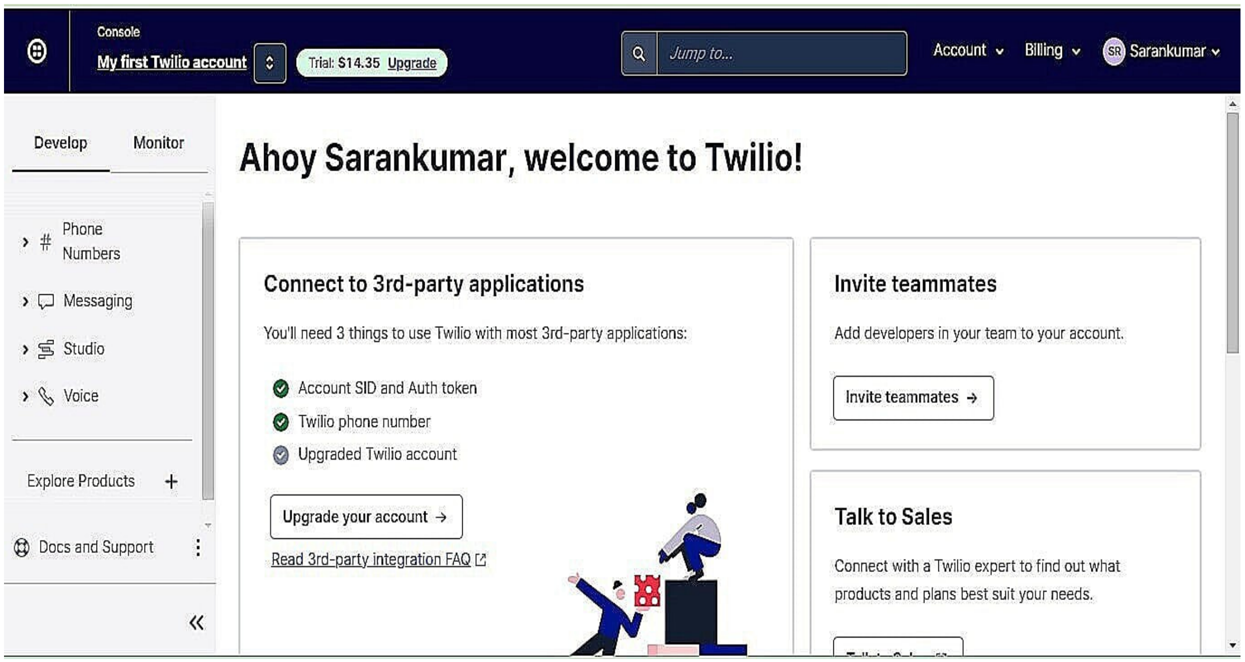
Location: Tokyo

Viewing filtered namespaces
A filter is applied so that only the namespace saran-ns is included in the table.
Show all namespaces

Name	Resource group	Repository count	Image count	Retention policy
saran-ns	Default	1	1	Retain all images

Items per page: 25 | 1–1 of 1 item | 1 | 1 of 1 page

SENDGRID INTEGRATION:


Console
My first Twilio account
Trial: $14.35 Upgrade
Jump to...
Account
Billing
Sarankumar
Develop
Monitor
Phone Numbers
Messaging
Studio
Voice
Explore Products
Docs and Support

Ahoy Sarankumar, welcome to Twilio!

Connect to 3rd-party applications

You'll need 3 things to use Twilio with most 3rd-party applications:

- Account SID and Auth token
- Twilio phone number
- Upgraded Twilio account

Upgrade your account →

Read 3rd-party integration FAQ

Invite teammates

Add developers in your team to your account.

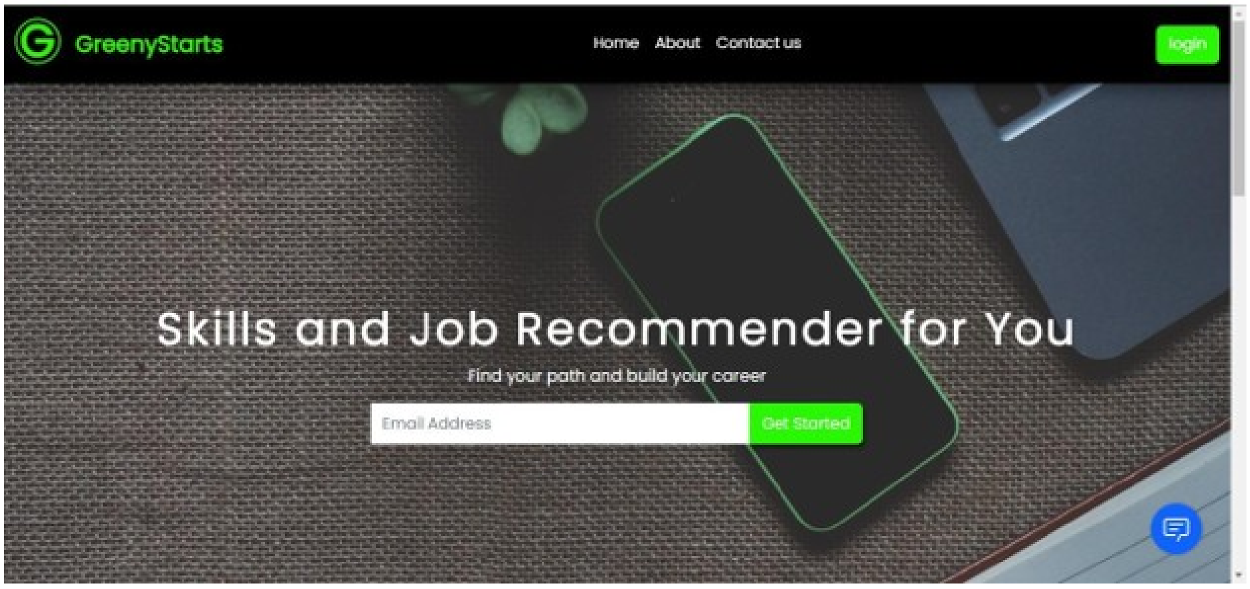
Invite teammates →

Talk to Sales

Connect with a Twilio expert to find out what products and plans best suit your needs.

Application interface

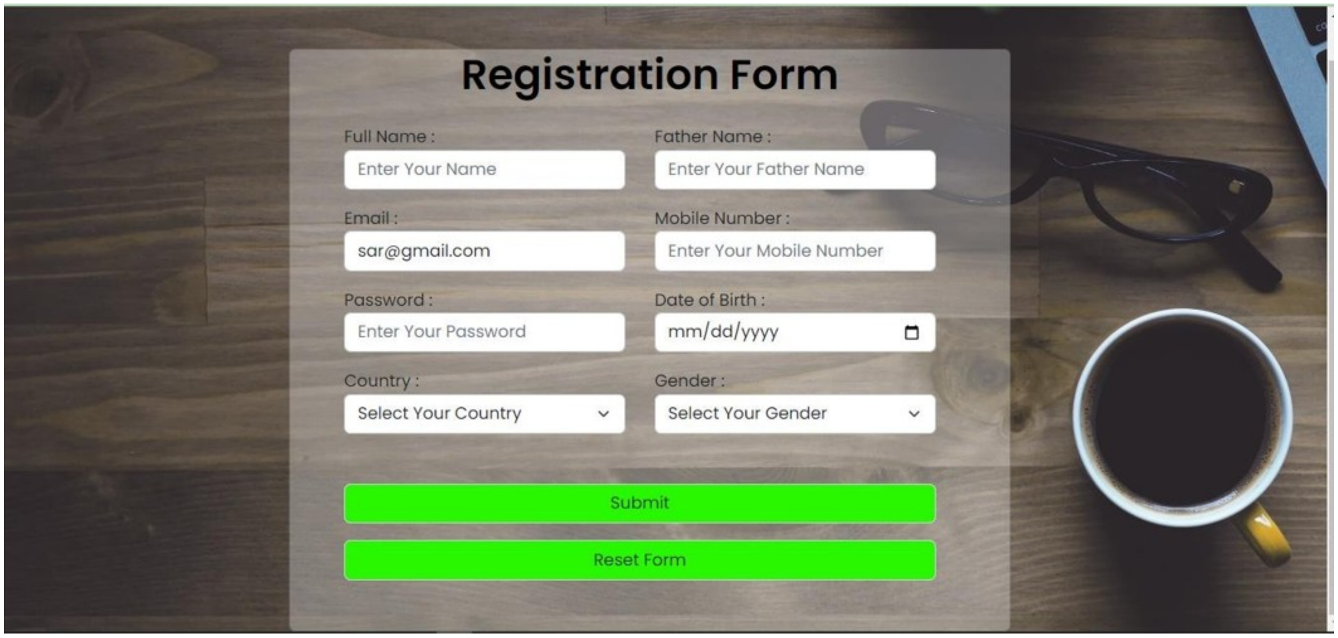
HOME PAGE:


GreenyStarts
Home
About
Contact us
login

Skills and Job Recommender for You

Find your path and build your career

Email Address
Get Started



Registration Form

Full Name : Enter Your Name

Father Name : Enter Your Father Name

Email : sar@gmail.com

Mobile Number : Enter Your Mobile Number

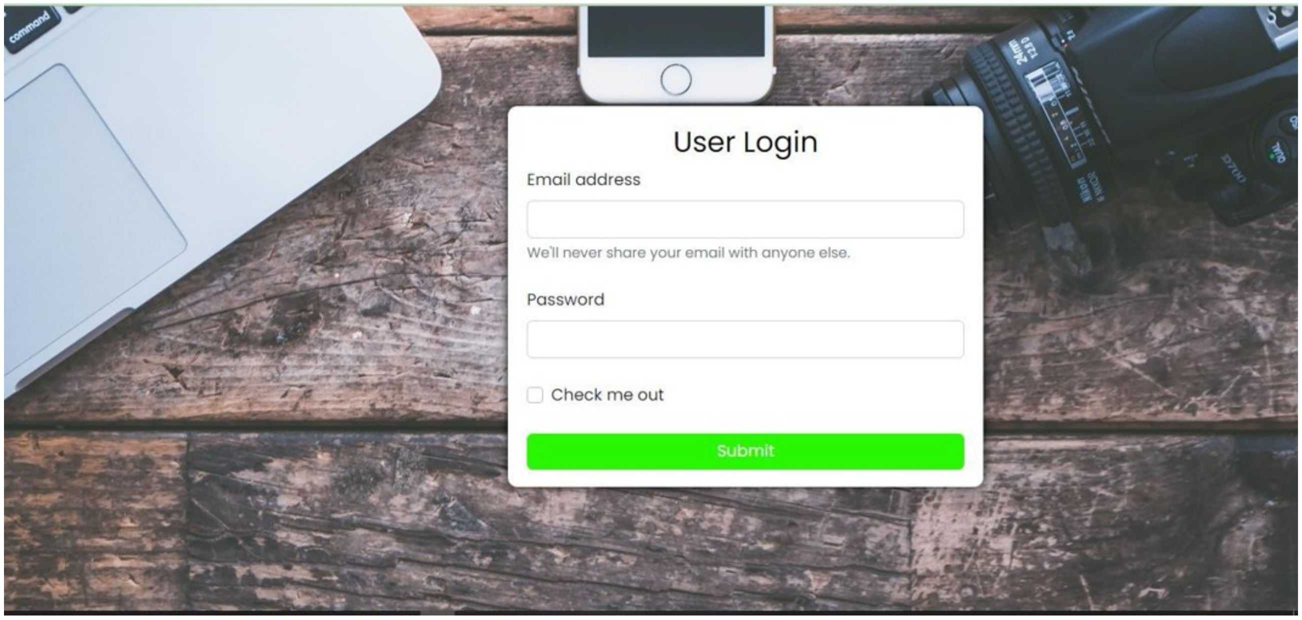
Password : Enter Your Password

Date of Birth : mm/dd/yyyy

Country : Select Your Country

Gender : Select Your Gender

LOGIN PAGE:



User Login

Email address

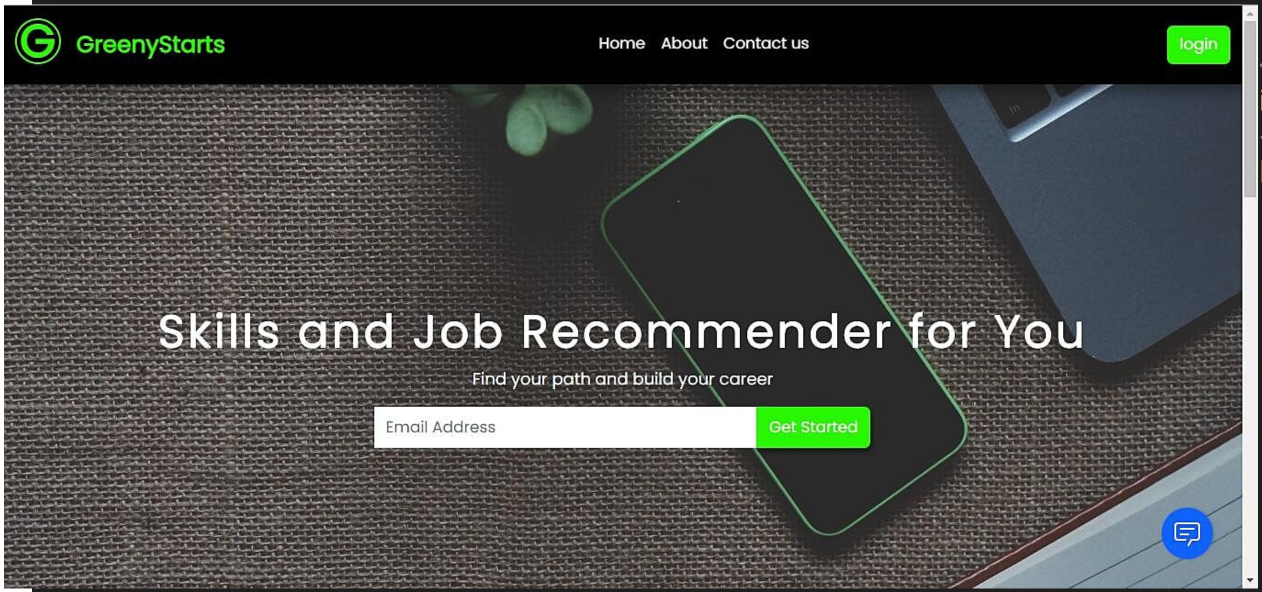
We'll never share your email with anyone else.

Password

Check me out

SPRINT-2

HOME PAGE:


G
GreenyStarts
Home
About
Contact us
login
Skills and Job Recommender for You
Find your path and build your career
Email Address
Get Started

```
<li class="nav-
item">
<a class="nav-
link"
```

```
<body>
  <nav class="navbar navbar-expand-lg navbar-dark" id="navbar">
    <div class="container-fluid">
      <a class="navbar-brand" ><h1 style="font-size: 50px; font-weight: 800;border-radius:
50%; border: 2px solid #29f700; width: 50px; height: 50px;display: flex;align-items:
center;justify-content: center" >G</h1></a>

      <a class="navbar-brand" href="#">GreenyStarts</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse"data-bs-
target="#navbarSupportedContent" aria-expanded="false">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mx-auto">
          <li class="nav-item">
            <a class="nav-link" href="#Home">Home</a>
          </li>
        <input type="email" id="mail" name="mail" class="form-control shadow-none"
placeholder="Email Address" required="required">
        <button class="btn signin" type="submit">Get Started</button>
                 </div>
              </section>
  </form>
  <section id="About">
    <div class="container-fluid">
        <div class="col-lg-6 col-md-6 col-12 p-lg-5 p-2">
          <h1>About us</h1>
```

```
#About p{
      color: #fff;
}
#Contact{
      background-color: #76D7C4;
}
#Contact img{
      height: 100%;
}
#Contact form{
      display: flex;
      flex-direction: column;
}
#Contact form input{
      margin-bottom: 10px;
}
#Contact form button{
      margin-top: 10px;
}


</style>
```

rofessionals have no idea
TopResume comes in. We

```
              <img src="/static/images/pexels-kindel-media-7054550.jpg" class="img-fluid rounded float-
left">
           </div>
           <div class="col-lg-6 col-md-6 col-12 p-lg-5 p-2" >
              <h1>Contact us</h1>
              <form action="">
                 <input type="text" class="form-control shadow-none" name="" id=""placeholder="Enter
your name">
                 <input type="text" class="form-control shadow-none"placeholder="Enter
your mail">
                 <textarea class="form-control shadow-none" placeholder="Your
comments"></textarea>
                 <button class="btn signin">Send Message</button>
              </form>

           </div>

        </div>
     </div>

  </section>


     <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js"><
/script>
     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.min.js"></script>
     <script> window.watsonAssistantChatOptions = {
           integrationID: "e815b6ee-0f6f-4ea2-b370-016936f0586b", // The ID of thisintegration.
           region: "jp-tok", // The region your integration is hosted in. serviceInstanceID: "7a7453ce-1f10-4864-
```

```
                9bd0-ce7ab19a19fc", // The ID of
your service instance.
                onLoad: function(instance) { instance.render(); }
            };
            setTimeout(function(){
                const t=document.createElement('script');t.src="https://web-
chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') +"/WatsonAssistantChatEntry.js";
                document.head.appendChild(t);

            });
        </script>
</body>

</html>
<style> @import
url('https://fonts.googleapis.com/css2?family=Inspiration&family=Island+Moments&f
amily=Poppins:ital,wght@0,300;0,400;1,300;1,400&display=swap');
*{
        margin: 0;
        padding: 0;
        box-sizing: border-box;
        font-family: "Poppins",sans-serif;
}
#navbar{
        position: sticky;top: 0;
        left: 0;
        z-index: 100;
        box-shadow: 5px 5px 20px rgb(0,0,0,.5);background-color:
        #000;
        color: #fff !important;
}

.navbar .navbar-brand{font-size: 25px;
        font-weight: 800; color: #29f700;
}
#navbarSupportedContent a{color: #fff ;
        border-bottom: 2px solid transparent;
}
#navbarSupportedContent a:hover{ border-bottom: 2px
        solid   #29f700;
}
#navbarSupportedContent button{
        background:#29f700;
        border-radius: 15px;
}
```

```css
#navbarSupportedContent #btnlogin{background:
        #29f700;

}

section{
        width: 100%;
        min-height: 100vh;display: flex;
        justify-content: center;align-items:
        center;

}
#Home{
        background:linear- gradient(rgba(0,0,0,.1),rgba(0,0,0,.1)),url(/static/images/pexels-pixabay-
163143.jpg);
        background-size: cover; background-position:
        center;display: flex;
        flex-direction: column;
}
#Home h1{
        font-size: 50px;
        text-shadow: 0px 1px 0px #fff;color: #fff;
        letter-spacing: 3px;
}
#Home p{
        font-size: 18px;color: #fff;
}
#Home .input-group{width: 40%;
        height: 45px;
}
.signin{
        background-color: #29f700 !important;color: #fff ;
        box-shadow: 2px 4px 5px rgb(0,0,0,.5);
}
#Home input{
        border: none;
}
#About{
        background: linear-gradient(#ea1d6f,#ea1d6f);
}
#About h1{
        color: #fff;
}
```

NOTIFICATION PAGE:

```
<body style="background: url(/static/images/image1.jpg);">
	<div class="box">
		<input type="number" class="ip" placeholder=" Enter OTP"><br><br>
		<button class="btn" onclick="openPopup()">Submit OTP</button>
		<div class="popup" id="popup">
			<img src="{{image}}" alt="Tick">
			<h2>{{msg1}}</h2>
			<p>{{msg2}}</p>
			<a href="\"><button type="button">Ok</button></a>
		</div>
	</div>

	<script>
		let popup=document.getElementById("popup");

		function openPopup(){ popup.classList.add("open-
			popup");
			  }
		   </script>
</body>
</html>
<style>
	@import url('https://fonts.googleapis.com/css2?family=Inspiration&family=Island+Moments&f
amily=Poppins:ital,wght@0,300;0,400;1,300;1,400&display=swap');
*{
	margin: 0;
	padding: 0;
	box-sizing: border-box;
	font-family: "Poppins",sans-serif;
}
.btn{
	padding: 10px 60px; background: rgb(0, 225,
	255);
	border: 0; outline: none; cursor:
	pointer; font-size: 22px; font-
	weight: 500;
	border-radius: 30px;
}
.box
{
	text-align: center;padding: 20px;

	margin: 20px; position: absolute;
```

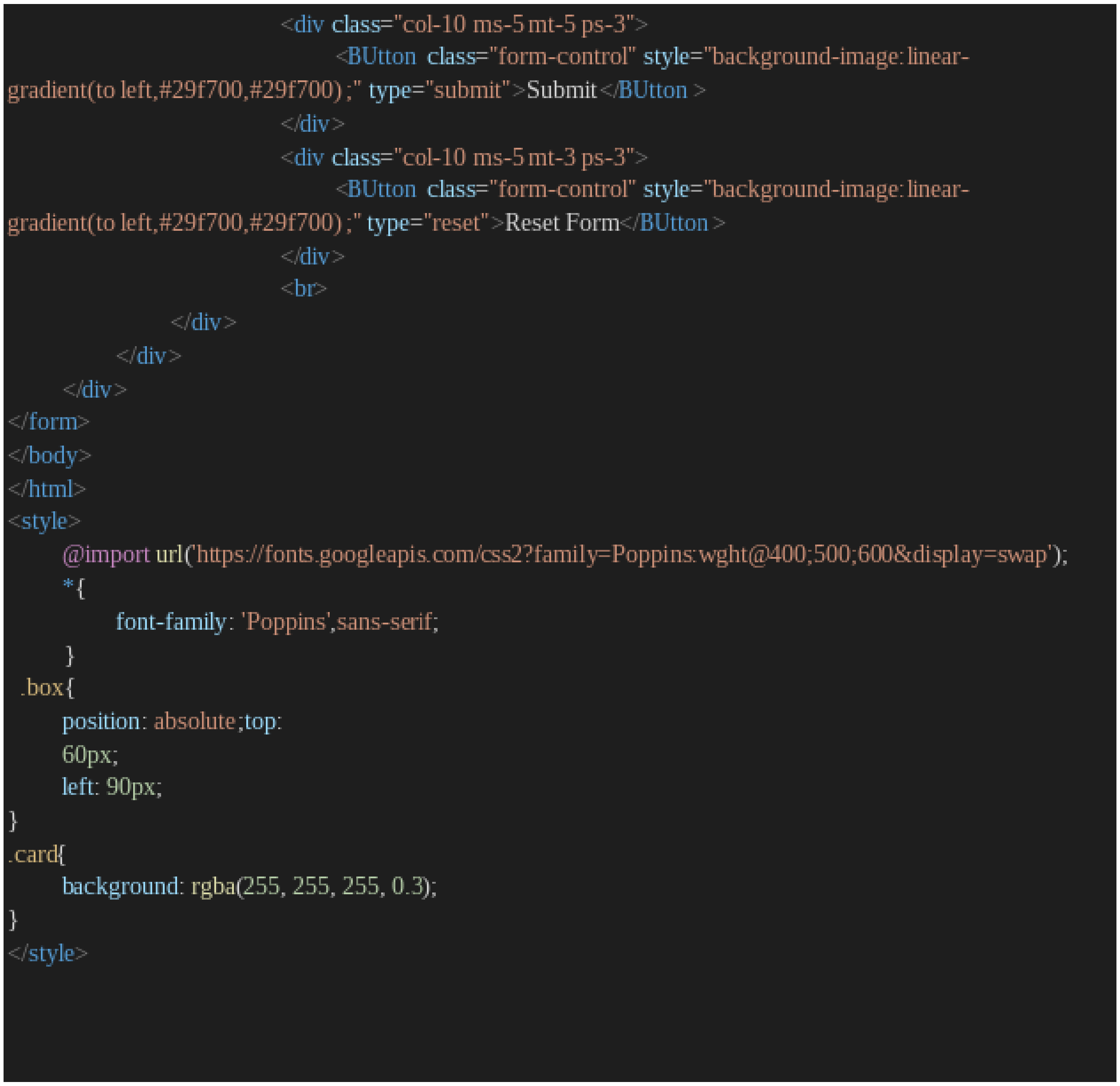
```
        top: 20%;
        left: 35%; height: 100px;
        width: 400px;
        background-color: aliceblue;border-radius:
        20px; opacity: 0.8;
}
.ip{
        border-radius: 10px;height: 20px;
}
.popup{
        width: 400px; background: #fff;
        border-radius: 6px;position:
        absolute;top: 50%;
        left: 50%;
        transform: translate(-50%,-50%) scale(1);text-align: center;
        padding: 0 30px 30px;color: #333;
        visibility: visible;
        transition: 04.s,top 0.4s;
}
.open-popup{
        top: 50%; visibility: visible;
        transform: translate(-50%,-50%); transform: translate(-50%,-
        50%) scale(1);
}
.popup img{
        width: 100px; margin-top: -50px;
        border-radius: 50%;
        box-shadow: 0 2px 5px rgba(0,0,0,0.2);
}
.popup h2{
        font-size: 38px; font-weight: 500;
        margin: 30px 0 10px;
}
```

REGISTRATION PAGE:

```
    </div>
                                        <div class="col-5 mt-3 ps-3">
                                                <label>Father Name :</label>
                                                <input type="text" name="fname" placeholder="Enter YourFather Name"
class="form-control" required="required">
                                        </div>
```

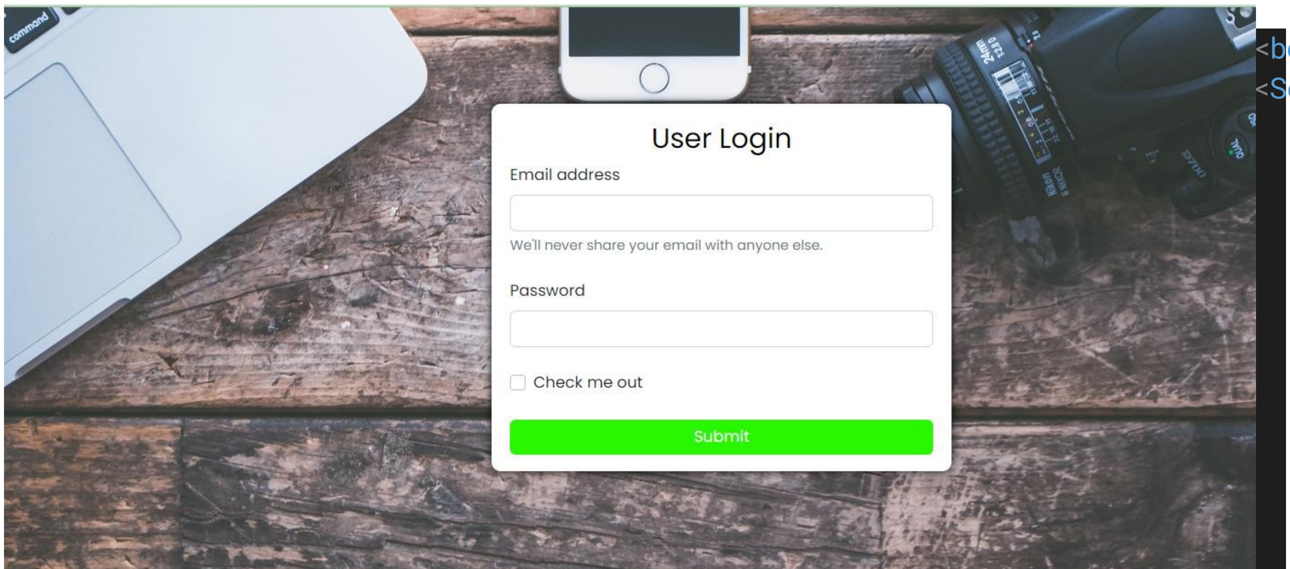
```
                    <div class="col-5 ms-5 mt-3 ps-3">
                        <label>Email :</label>
                        <input type="text" name="email" value="{{usermail}}"class="form-control"
required="required">
                    </div>
                    <div class="col-5 mt-3 ps-3">
                        <label>Mobile Number :</label>
                        <input type="number" name="mbno" placeholder="Enter YourMobile Number"
class="form-control" required="required">
                    </div>
                    <div class="col-5 ms-5 mt-3 ps-3">
                        <label>Password :</label>
                        <input type="password" name="pass" placeholder="EnterYour Password"
class="form-control" required="required">
                    </div>
                    <div class="col-5 mt-3 ps-3">
                        <label>Date of Birth :</label>
                        <input type="date" name="dob" class="form-control"
required="required">
                    </div>
                    <div class="col-5 ms-5 mt-3 ps-3">
                        <label>Country :</label>
                        <select class="form-select" required="required"

name="country">
```

```html
            <option>Select Your Country</option>
            <option>India</option>
            <option>USA</option>
            <option>UK</option>
        </select>
    </div>
    <div class="col-5 mt-3 ps-3">
        <label>Gender :</label>
        <select class="form-select" required name="gender">
            <option>Select Your Gender</option>
            <option>Male</option>
            <option>Female</option>
            <option>Others</option>
        </select>
    </div>
```



```
                    <div class="col-10 ms-5 mt-5 ps-3">
                        <BUtton  class="form-control" style="background-image: linear-
gradient(to left,#29f700,#29f700) ;" type="submit">Submit</BUtton >
                    </div>
                    <div class="col-10 ms-5 mt-3 ps-3">
                        <BUtton  class="form-control" style="background-image: linear-
gradient(to left,#29f700,#29f700) ;" type="reset">Reset Form</BUtton >
                    </div>
                    <br>
                </div>
            </div>
        </div>
</form>
</body>
</html>
<style>
    @import url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600&display=swap');
    *{
        font-family: 'Poppins',sans-serif;
    }
 .box{
    position: absolute;top:
    60px;
    left: 90px;
}
.card{
    background: rgba(255, 255, 255, 0.3);
}
</style>
```

LOGIN PAGE:



User Login

Email address

We'll never share your email with anyone else.

Password

Check me out

Submit

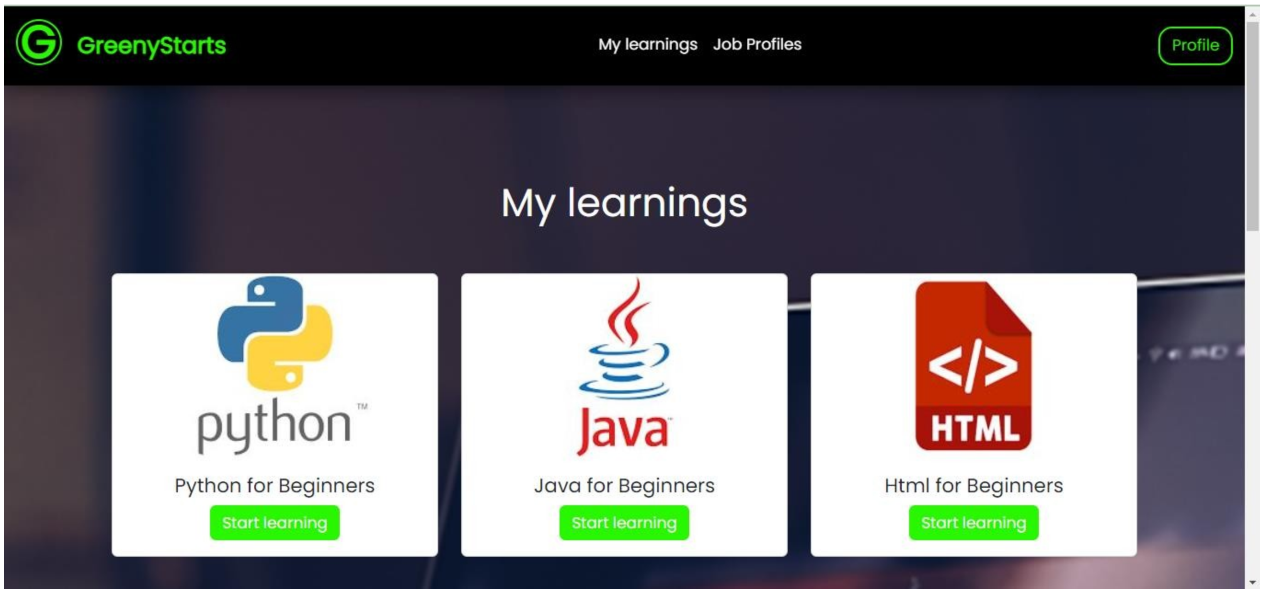
<body>
<Section

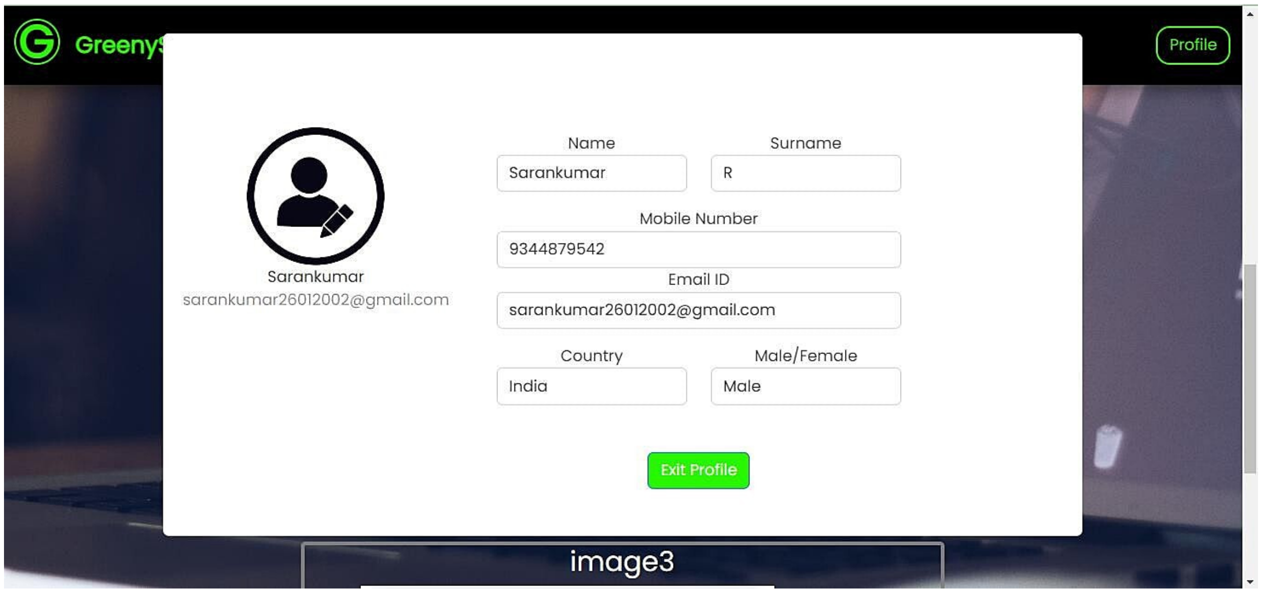
```
    class="container-fluid bg">
        <section class="row justify-content-center">
            <section class="col-12 col-sm-6 col-md-3">
                <form class="form-container " action="/checkuser" method="post">
                    <h1 class="text-center" style="font-size: 30px;color:#000">User Login</h1>
                    <div class="form-group">
                      <label for="email" class="form-label">Email address</label>
                      <input type="email" class="form-control" id="email"name="email" aria-
describedby="emailHelp" required="required">
                      <div id="emailHelp" class="form-text">We'll never shareyour email with anyone
else.</div>
                    </div>
                    <br>
                    <div class="form-group">
                      <label for="pass" class="form-label">Password</label>
                      <input type="password" name="pass" class="form-control"id="pass"
required="required">
                    </div><br>
                    <div class="form-group form-check">
                      <input type="checkbox" class="form-check-input"
id="exampleCheck1" required="required">
                      <label class="form-check-label" for="exampleCheck1">Check
me out</label>
                    </div>

                    <br>
                    <div class="d-grid gap-2">
                        <button class="btn btn-success"
type="submit">Submit</button>
                      </div>
                  </form>
            </section>
        </section>
    </Section>
</body>
</html>
<style> @import
url('https://fonts.googleapis.com/css2?family=Inspiration&family=Island+Moments&f
amily=Poppins:ital,wght@0,300;0,400;1,300;1,400&display=swap');
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: "Poppins",sans-serif;
}
.bg{
```

```
            background: url("/static/images/pexels-jessica-lewis-creative-593322.jpg")
no-repeat;
            width: 100%; height: 100vh;
            background-position: center;background-size:
            cover;
}
.form-container{
            background: #fff; position:
            absolute;top:   15vh; padding:
            30px;
            border-radius: 10px;
            box-shadow: 0px 0px 10px 0px #000;width: 500px;
            height: 400px; padding: 20px;
            margin: 10px;
}
.d-grid button{
background-color: #29f700 !important;outline: none;
border: none;

}

</style>
```

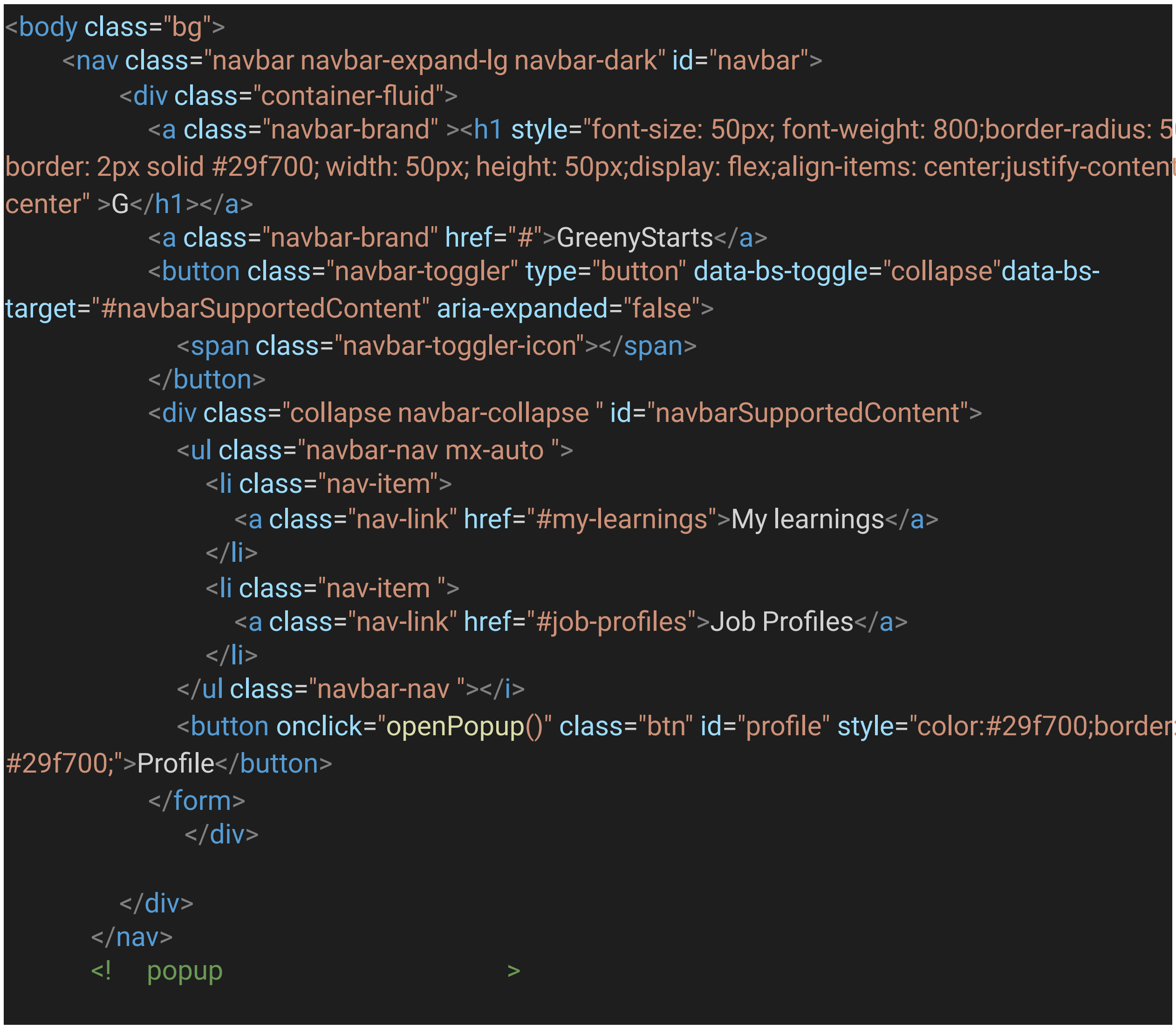
SPRINT-3

CREATING APPLYJOB SECTION AND LEARNING SECTIONWITH USER PROFILE:





Name: Sarankumar
Surname: R
Mobile Number: 9344879542
Email ID: sarankumar26012002@gmail.com
Country: India
Male/Female: Male



```
<body class="bg">
    <nav class="navbar navbar-expand-lg navbar-dark" id="navbar">
        <div class="container-fluid">
          <a class="navbar-brand" ><h1 style="font-size: 50px; font-weight: 800;border-radius: 50%;
border: 2px solid #29f700; width: 50px; height: 50px;display: flex;align-items: center;justify-content:
center" >G</h1></a>
          <a class="navbar-brand" href="#">GreenyStarts</a>
          <button class="navbar-toggler" type="button" data-bs-toggle="collapse"data-bs-
target="#navbarSupportedContent" aria-expanded="false">
            <span class="navbar-toggler-icon"></span>
          </button>
          <div class="collapse navbar-collapse " id="navbarSupportedContent">
            <ul class="navbar-nav mx-auto ">
              <li class="nav-item">
                <a class="nav-link" href="#my-learnings">My learnings</a>
              </li>
              <li class="nav-item ">
                <a class="nav-link" href="#job-profiles">Job Profiles</a>
              </li>
            </ul class="navbar-nav "></i>
            <button onclick="openPopup()" class="btn" id="profile" style="color:#29f700;border:2px solid
#29f700;">Profile</button>
          </form>
             </div>

        </div>
      </nav>
      <!    popup                    >
```

```
                                  <div class="popup" id="popup">
                                        <div class="container rounded bg-white mt-5 mb-5" style="width:
    1000px;">

                                   <div class="row">
                                        <div class="col-md-4">
                                             <div class="d-flex flex-column align-items-center text-

    center p-3 py-5"><img
  class="rounded-circle mt-5" width="150px" src="/static/images/profilephoto1.jpg"><span class="font-weight-
  bold">{{username}}</span><span

    class="text-black-50" style="overflow: hidden;">{{usermail}}</span>
                                             </div>
                                        </div>
                                        <div class="col-md-6 ">
                                             <div class="p-3 py-5">
                                                  <div class="d-flex justify-content-between align-

    items-center mb-3">Profile</h4>

  <h4 class="text-right" style="color:   #fff;">Your

    </div>
    <div class="row mt-2">
         <div class="col-md-6"><label

    class="labels">Name</label><input type="text"
                                                            class="form-control"
    value="{{username}}" readonly></div>
                                                  <div class="col-md-6"><label
    class="labels">Surname</label><input type="text"
                                                            class="form-control" value="{{fname}}"

    readonly></div>
```

```
</div>
<div class="row mt-3">
        <div class="col-md-12"><label

class="labels">Mobile Number</label><input type="text"
                                                                                class="form-control" value="{{mobile}}"
readonly></div>
                                                                <div class="col-md-12"><label
class="labels">Email ID</label><input type="text"
                                                                                class="form-control" value="{{usermail}}"
readonly></div>

                                                        </div>
                                                        <div class="row mt-3">
                                                                <div class="col-md-6"><label
class="labels">Country</label><input type="text"
                                                                                class="form-control" value="{{country}}"
readonly></div>
                                                                <div class="col-md-6"><label
class="labels">Male/Female</label><input type="text"
                                                                                class="form-control" value="{{gender}}"

readonly></div>
```

```
</div>
<div class="mt-5 text-center"><button class="btn btn-

primary profile-button" style="background-color: #29f700;"onclick="closePopup()">Exit
Profile</button></div>
                                                </div>

                                        </div>

                                </div>

                </div>

                </div>


    <section id="my-learnings">
        <div class="container d-flex flex-column align-items-center text-center py-5" style="width: 100%;
height: 100vh; padding-top: 20px">
            <h1 class="text-center my-5" style="color: #fff;">My learnings</h1>
            <div class="row">
            <div class="col-lg-4 col-md-4 col-12">
                <div class="card">
                    <img class="card-img-top" src="/static/images/python.jpg"style="height: 200px;" alt="Card
image cap">
                    <div class="card-body">
                        <h5 class="card-title">Python for Beginners</h5>
                        <a href="https://youtube.com/playlist?list=PLd3UqWTnYXOmzcSdWIh- EggqAtCXvJxzu"
class="btn btn-primary" style="background-color: #29f700;">Startlearning</a>
                    </div>
                </div>


            </div>
            <div class="col-lg-4 col-md-4 col-12">
                <div class="card">

                    <img class="card-img-top" src="/static/images/java.jpg" style="height:200px;" alt="Card image
cap">
                    <div class="card-body">
                        <h5 class="card-title">Java for Beginners</h5>
                        <a href="https://youtube.com/playlist?list=PLd3UqWTnYXOmx_J1774ukG_rvrpyWczm0"
class="btn btn-primary" style="background-color: #29f700;">Start learning</a>
                    </div>
                </div>
            </div>
```

```
         <div class="col-lg-4 col-md-4 col-12">
            <div class="card">
               <img class="card-img-top" src="/static/images/html.jpg" style="height:200px;" alt="Card image
cap">
               <div class="card-body">
                  <h5 class="card-title">Html for Beginners</h5>
                  <a href="https://youtube.com/playlist?list=PLKT3i0RirB9z7yhrTHG- 7DlxIWgtT_CDM"
class="btn btn-primary" style="background-color: #29f700;">Startlearning</a>
               </div>
            </div>
         </div>
      </div>
      </div>

   </section>
   <section id="job-profiles">
      <div class="container d-flex flex-column align-items-center text-center my-3py-5" style="width: 100%;
height: 100%; margin-top: 10px">
         <div class="text-center my-5 " >
               <div class="di">
                  {% for row in files %}
                  <div class="box">
                       <h3 class="he" style="color: #fff;">{{row [:-4]}}</h3>
                       <img src="https://green-starts.s3.jp-tok.cloud-object-
storage.appdomain.cloud/{{row}}" width="450px" height="150px" ></td>
                       <a href="#" role="button" type="submit" class="btn btn-primary"style="background-
color: #29f700;">Apply Now</a>
                  </div>
              {% endfor %}
              </div>
            </div>
                           </div>
                     </section>



   <script>
      let popup=document.getElementById("popup");

      function openPopup(){ popup.classList.add("open-
            popup");
      }
      function closePopup(){ popup.classList.remove("open-
         popup");
             }
```

```
        </script>


</body>
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js"><
/script>
      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.min.js"></script>
<style> @import
url('https://fonts.googleapis.com/css2?family=Inspiration&family=Island+Moments&f
amily=Poppins:ital,wght@0,300;0,400;1,300;1,400&display=swap');
*{
      margin: 0;
      padding: 0;
      box-sizing: border-box;
      font-family: "Poppins",sans-serif;
}
#navbar{
      position: sticky;top: 0;
      left: 0;
      z-index: 100;
      /* padding: .5rem 5rem; */
      box-shadow: 5px 5px 20px rgb(0,0,0,.5);background-color:
      #000;
      color: #fff !important;
}

.navbar .navbar-brand{font-size: 25px;
      font-weight: 800;

      color: #29f700;
}
#navbarSupportedContent a{color: #fff ;
      border-bottom: 2px solid transparent;
}
#navbarSupportedContent a:hover{ border-bottom: 2px
      solid   #29f700;
}
#navbarSupportedContent button{
      background:g#29f700; border-radius: 15px;
}
#navbarSupportedContent #btnlogin{background:
      #29f700;
}
.box{
   width: 700px; height: 220px;
   border: 4px solid grey;border-radius:
    5px; margin-bottom: 20px;
}
.box:hover{
    border: 4px solid #29f700;
}
.box a{
    outline: none !important;border: none
    !important;
}
.box a:hover{
    transition: 4ms!important;color: #333
    !important;

}
#profile:hover{
    transition: 4ms!important;color: #fff
    !important;

}
.card a{
    outline: none !important;border: none
    !important;

}

.card a:hover{ transition: 4ms;
    color: #333 ;
}

/* opoup                                        */
.popup{
        border-radius: 6px;position: fixed;
        top: 50%;
        left: 50%;
        transform: translate(-50%,-50%) scale(1);text-align: center;
        padding: 0 30px 30px; color: #333;
        visibility:hidden; transition: 04.s,top 0.4s;z-
        index: 100;

}
.open-popup{
        top: 50%; visibility: visible;
        transform: translate(-50%,-50%); transform: translate(-50%,-
        50%) scale(1);
}
#my-learnings{ position: -ms-page;
```

```
}
.bg{

        ----------------------------

}background: url("/static/images/profilebg.jpg") no-repeat;width: 100%;
height: 100%;
background-position: center;background-size: cover;

</style>
</html>
```

SPRINT-4

CREATING PYTHON FLASK AND INTEGRATING ALL THE SERVICES SPECIFIED IN SPRINT-1:

```
from flask import Flask,render_template,redirect,request,url_forimport

ibm_db

import ibm_boto3
from ibm_botocore.client import Config, ClientError

COS_ENDPOINT="https://s3.jp-tok.cloud-object-storage.appdomain.cloud"
COS_API_KEY_ID="8ir_OK_kdjY8SXvQXnvcYD34CrCrX7TIELEbWpzBQCFH"
COS_INSTANCE_CRN="crn:v1:bluemix:public:cloud-object-
storage:global:a/cac77355b8e64285ab5824053ea1e90d:66b5a2a3-b654-458e-b4af-
b3c551fc5b0f::"


cos = ibm_boto3.resource("s3", ibm_api_key_id=COS_API_KEY_ID,
        ibm_service_instance_id=COS_INSTANCE_CRN,
        config=Config(signature_version="oauth"),
        endpoint_url=COS_ENDPOINT
)


app=Flask(__name__)

@app.route("/")
def index():
        return render_template("index.html")
```

```
@app.route("/getdetails",methods=['post','get'])def getdetails():
        conn = ibm_db.connect("DATABASE=bludb ; HOSTNAME=6667d8e9-9d4d-4ccb-ba32-
21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30376;SECURITY=S
SL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=mzz66103;PWD=EljmVVQ9CytfCyNc;", '', '')
        print("Cloud Connected Successfully!!")


        name=request.form['name'] fname=request.form['fname']
        mail=request.form['email'] mobile=request.form['mbno']
        password=request.form['pass'] dob=request.form['dob']
        country=request.form['country']gender=request.form['gender']

        sql="INSERT INTO green_starts values(?,?,?,?,?,?,?,?)"
        stmt=ibm_db.prepare(conn,sql) ibm_db.bind_param(stmt,1,name)
        ibm_db.bind_param(stmt,2,fname) ibm_db.bind_param(stmt,3,mail)
        ibm_db.bind_param(stmt,4,mobile) ibm_db.bind_param(stmt,5,password)
        ibm_db.bind_param(stmt,6,dob) ibm_db.bind_param(stmt,7,country)
        ibm_db.bind_param(stmt,8,gender)
        ibm_db.execute(stmt)

        print("Account is Created !!")
        print(name+" "+fname+" "+mail+" "+mobile+" "+password+" "+dob+" "+country+""+gender)

        image="/static/images/tick1.gif"msg1="Congratulation!"
        msg2="Your Account has been Successfully Created!!"
        return render_template("notification.html",image=image,msg1=msg1,msg2=msg2)

@app.route("/checkuser",methods=['post'])def checkuser():
        conn = ibm_db.connect("DATABASE=bludb ; HOSTNAME=6667d8e9-9d4d-4ccb-ba32-
21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30376;SECURITY=S
SL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=mzz66103;PWD=EljmVVQ9CytfCyNc;", '', '')
        print("Cloud Connected Successfully!!")

        mail=request.form['email'] password=request.form['pass']

        if mail=="Admin@gmail.com" and password=="Admin":print("Admin
                Login")
                return render_template("admin.html")

        print(mail+" "+password)

        sql = "select *from green_starts WHERE mail=?"stmt =
        ibm_db.prepare(conn, sql) ibm_db.bind_param(stmt, 1,mail )
        ibm_db.execute(stmt)
        lis = ibm_db.fetch_assoc(stmt)
        image="/static/images/image2.gif"msg1="Ooops!"
        msg2="This E-Mail Doesn't Exist!!"

        if lis:
                sql="SELECT password from green_starts WHERE mail=?"
                stmt=ibm_db.prepare(conn,sql) ibm_db.bind_param(stmt,1,mail)
                ibm_db.execute(stmt)

                lis=ibm_db.fetch_assoc(stmt)


                e=lis.get('PASSWORD')


                if e==password:
                        print("Logged in successfully!!")
                        return   redirect(url_for('.user1',mail=mail))

                else:
                        print("****Error****")return
render_template("notification.html",image=image,msg1=msg1,msg2="You Have EnteredWrong Password!!")

        else:
                return render_template("notification.html",image=image,msg1=msg1,msg2=msg2)



#                                       ***********         Object Storage              ***********

def get_bucket_contents(bucket_name):
        print("Retrieving bucket contents from: {0}".format(bucket_name))try:
                files = cos.Bucket(bucket_name).objects.all()files_names = []
                for file in files: files_names.append(file.key)
                        print("Item: {0} ({1} bytes).".format(file.key, file.size))return files_names
        except ClientError as be:
                print("CLIENT ERROR: {0}\n".format(be))

        except Exception as e:
                print("Unable to retrieve bucket contents: {0}".format(e))

@app.route('/user1',methods=['post','get'])def user1():
        mail=request.args['mail']

        conn = ibm_db.connect("DATABASE=bludb ; HOSTNAME=6667d8e9-9d4d-4ccb-ba32-
21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30376;SECURITY=S
SL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=mzz66103;PWD=EljmVVQ9CytfCyNc;", ", ")
        print("Cloud Connected Successfully!!")

        sql="SELECT * from green_starts WHERE mail=?"
        stmt=ibm_db.prepare(conn,sql) ibm_db.bind_param(stmt,1,mail)
        ibm_db.execute(stmt)

        lis=ibm_db.fetch_assoc(stmt)

        a=lis.get('UNAME') b=lis.get('FNAME')
        c=lis.get('MAIL') d=lis.get('MOBILE')
        e=lis.get('PASSWORD')f=lis.get('DOB')
        g=lis.get('COUNTRY') h=lis.get('GENDER')

        files = get_bucket_contents('green-starts') return
        render_template('user1.html', files =
files,mail=mail,username=a,fname=b,usermail=c,mobile=d,country=g,gender=h)


if_name_=="_main__": app.run(host="0.0.0.0",port="8020",debug=True)
```

7. coding

CREATING PYTHON FLASK AND INTEGRATING ALL THE SERVICES SPECIFIED IN SPRINT-1:

```
from flask import Flask,render_template,redirect,request,url_forimport

ibm_db

import ibm_boto3                                                                                   ")
from ibm_botocore.client import Config, ClientError

COS_ENDPOINT="https://s3.jp-tok.cloud-object-storage.appdomain.cloud"
COS_API_KEY_ID="8ir_OK_kdjY8SXvQXnvcYD34CrCrX7TIELEbWpzBQCFH"
COS_INSTANCE_CRN="crn:v1:bluemix:public:cloud-object-
storage:global:a/cac77355b8e64285ab5824053ea1e90d:66b5a2a3-b654-458e-b4af-
b3c551fc5b0f::"


cos = ibm_boto3.resource("s3", ibm_api_key_id=COS_API_KEY_ID,
        ibm_service_instance_id=COS_INSTANCE_CRN,
        config=Config(signature_version="oauth"),
        endpoint_url=COS_ENDPOINT
)


app=Flask(__name__)

@app.route("/")
def index():
        return render_template("index.html")
                                                                                                   ")
@app.route("/login")def
login():
        return render_template("login.html")

        mail=request.form['email'] mobile=request.form['mbno']
        password=request.form['pass'] dob=request.form['dob']
        country=request.form['country']
        gender=request.form['gender']

        sql="INSERT INTO green_starts values(?,?,?,?,?,?,?,?)"
        stmt=ibm_db.prepare(conn,sql) ibm_db.bind_param(stmt,1,name)
        ibm_db.bind_param(stmt,2,fname) ibm_db.bind_param(stmt,3,mail)
        ibm_db.bind_param(stmt,4,mobile) ibm_db.bind_param(stmt,5,password)
        ibm_db.bind_param(stmt,6,dob) ibm_db.bind_param(stmt,7,country)
        ibm_db.bind_param(stmt,8,gender)
        ibm_db.execute(stmt)

        print("Account is Created !!")
        print(name+" "+fname+" "+mail+" "+mobile+" "+password+" "+dob+" "+country+""+gender)

        image="/static/images/tick1.gif"msg1="Congratulation!"
        msg2="Your Account has been Successfully Created!!"
        return render_template("notification.html",image=image,msg1=msg1,msg2=msg2)

@app.route("/checkuser",methods=['post'])def
checkuser():
        conn = ibm_db.connect("DATABASE=bludb ; HOSTNAME=6667d8e9-9d4d-4ccb-ba32-
21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30376;SECURITY=S
SL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=mzz66103;PWD=EljmVVQ9CytfCyNc;", "", "")
        print("Cloud Connected Successfully!!")

        mail=request.form['email'] password=request.form['pass']

        if mail=="Admin@gmail.com" and password=="Admin":
                print("Admin Login")
                return render_template("admin.html")

        print(mail+" "+password)

        sql = "select *from green_starts WHERE mail=?"stmt =
        ibm_db.prepare(conn, sql) ibm_db.bind_param(stmt, 1,mail )
        ibm_db.execute(stmt)
        lis = ibm_db.fetch_assoc(stmt)

        image="/static/images/image2.gif"msg1="Ooops!"
        msg2="This E-Mail Doesn't Exist!!"

        if lis:
                sql="SELECT password from green_starts WHERE mail=?"
                stmt=ibm_db.prepare(conn,sql) ibm_db.bind_param(stmt,1,mail)
                ibm_db.execute(stmt)

                lis=ibm_db.fetch_assoc(stmt)


                e=lis.get('PASSWORD')


                if e==password:
                        print("Logged in successfully!!")
                        return   redirect(url_for('.user1',mail=mail))

                else:
                  print("****Error****")return
render_template("notification.html",image=image,msg1=msg1,msg2="You Have EnteredWrong
Password!!")

        else:
              return
render_template("notification.html",image=image,msg1=msg1,msg2=msg2)



#                               ***********          Object Storage             ***********

def get_bucket_contents(bucket_name):
        print("Retrieving bucket contents from: {0}".format(bucket_name))try:
              files = cos.Bucket(bucket_name).objects.all()files_names = []
              for file in files: files_names.append(file.key)
                  print("Item: {0} ({1} bytes).".format(file.key, file.size))return files_names
        except ClientError as be:
              print("CLIENT ERROR: {0}\n".format(be))

        except Exception as e:
              print("Unable to retrieve bucket contents: {0}".format(e))

@app.route('/user1',methods=['post','get'])def user1():
        mail=request.args['mail']

        conn = ibm_db.connect("DATABASE=bludb ; HOSTNAME=6667d8e9-9d4d-4ccb-ba32-
21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30376;SECURITY=S
SL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=mzz66103;PWD=EljmVVQ9CytfCyNc;", "", "")
        print("Cloud Connected Successfully!!")

        sql="SELECT * from green_starts WHERE mail=?"
        stmt=ibm_db.prepare(conn,sql)
        ibm_db.bind_param(stmt,1,mail) ibm_db.execute(stmt)

        lis=ibm_db.fetch_assoc(stmt)

        a=lis.get('UNAME') b=lis.get('FNAME')
        c=lis.get('MAIL') d=lis.get('MOBILE')
        e=lis.get('PASSWORD')f=lis.get('DOB')
        g=lis.get('COUNTRY') h=lis.get('GENDER')

        files = get_bucket_contents('green-starts') return
        render_template('user1.html', files =
files,mail=mail,username=a,fname=b,usermail=c,mobile=d,country=g,gender=h)
```

```
if_name_=="_main__":
    app.run(host="0.0.0.0",port="8020",debug=True)
```

8 .Testing

8.1 Test cases

It is shown in Project video how the test cases work

9. Results

It is shown in Project video how the test cases work

10.Advantages and disadvantages

Advantages

1.Used at anywhere any time.

2.And it is user friendly by sending notifications to them to manage their time.

3.Able to crack interview and able to attend multiple companies.

4. Able to learn multiple course in which they interset.

Disadvantages

1. Can be used only in online

Programming Languages used

1 HTML

Hypertext Markup Language, or HTML, is a programming language used to describe the structure of information on a webpage. Together, HTML, CSS, and JavaScript make up the essential building blocks of websites worldwide, with CSS controlling a page's appearance and JavaScript programming its functionality.

HTML TAGS

<!DOCTYPE>

- All HTML documents must start with a <!DOCTYPE> declaration.
- The declaration is not an HTML tag. It is an "information" to the browser about what document type to expect.
- In HTML 5, the declaration is simple:
- <!DOCTYPE html>

<a> Tag

The <a> tag defines a hyperlink, which is used to link from one page to another.

- The most important attribute of the <a> element is the href attribute, which indicates the link's destination.

<body> Tag

- The <body> tag defines the document's body.
- The <body> element contains all the contents of an HTML document, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.

<br> Tag

- The <br> tag inserts a single line break.
- The <br> tag is useful for writing addresses or poems.
- The <br> tag is an empty tag which means that it has no end tag.

<button> Tag

- The <button> tag defines a clickable button.
- Inside a <button> element you can put text (and tags like <i>, <b>, <strong>, <br>, <img>, etc.). That is not possible with a button created with the <input> element!

Cascading Style Sheets

CSS stands for Cascading Style Sheets

CSS describes how HTML elements are to be displayed on screen, paper, or in other media

CSS saves a lot of work. It can control the layout of multiple web pages all at once

External stylesheets are stored in CSS files

Cascading Style Sheet(CSS) is used to set the style in web pages that contain HTML elements. It sets the background color, font-size, font-family, color, … etc property of elements on a web page.
There are three types of CSS which are given below:

Inline CSS
Internal or Embedded CSS
External CSS

Inline CSS:

Inline CSS contains the CSS property in the body section attached with element is known as inline CSS.
This kind of style is specified within an HTML tag using the style attribute.

```
<p style = "color:#009900; font-size:50px;
    font-style:italic; text-align:center;">
  GeeksForGeeks
</p>
```

Internal or Embedded CSS:

This can be used when a single HTML document must be styled uniquely.
The CSS rule set should be within the HTML file in the head section
i.e the CSS is embedded within the HTML file.

```
<div class ="geeks">
        A computer science portal for geeks
 </div>
```

External CSS:

External CSS contains separate CSS file which contains only style property

with the help of tag attributes
(For example class, id, heading, … etc). CSS property written in a separate file with .css extension and should be linked to the HTML document using ***link*** tag.
This means that for each element, style can be set only once and that will be applied across web pages.
Example: The file given below contains CSS property.
This file save with .css extension.

```
body {
   background-color:powderblue;
}
```

Properties of CSS:

Inline CSS has the highest priority, then comes Internal/Embedded followed by External CSS which has the least priority.

Multiple style sheets can be defined on one page.

If for an HTML tag, styles are defined in multiple style sheets then the below order will be followed.
As Inline has the highest priority, any styles that are defined in the internal and external style sheets are overridden by Inline styles.

Internal or Embedded stands second in the priority list and overrides the styles in the external style sheet.

External style sheets have the least priority. If there are no styles defined either in inline or internal style sheet then external style sheet rules are applied for the HTML tags.

JavaScript

JavaScript is the world's most popular programming language.

JavaScript is the programming language of the Web.

JavaScript is easy to learn.

JavaScript Statements

JavaScript statements are composed of:

Values, Operators, Expressions, Keywords, and Comments.

This statement tells the browser to write "Hello Dolly." inside an HTML element with id="demo":

```
document.getElementById("demo").innerHTML = "Hello Dolly.";
```

JavaScript Values

The JavaScript syntax defines two types of values:

- Fixed values
- Variable values

Fixed values are called **Literals**.

Variable values are called **Variables**.

Variables are containers for storing data (storing data values).

In this example, x, y, and z, are variables, declared with the var keyword:

```
var x = 5;
var y = 6;
var z = x + y;
```

LET Keyword

The let keyword was introduced in ES6 (2015).

Variables defined with let cannot be Redeclared.

Variables defined with let must be Declared before use.

Variables defined with let have Block Scope.

Operators

There are different types of JavaScript operators:

- Arithmetic Operators
- Assignment Operators
- Comparison Operators
- Logical Operators
- Conditional Operators
- Type Operators

JavaScript Strings

JavaScript strings are for storing and manipulating text.

```
let text = "John Doe";
```

String Length

To find the length of a string, use the built-in `length` property:String Methods

String length	String trim()
String slice()	String trimStart()
String substring()	String trimEnd()
String substr()	String padStart()
String replace()	String padEnd()
String replaceAll()	String charAt()
String toUpperCase()	String charCodeAt()
	String split()

11. Conclusion

Thus by using this application users can able to find their jobs in online at anywhere anyplace . Through notifications users can gain the updates from the company interview process which date the selection process is start when to reach the location , place where to attend the test. By the learning platform they can able to enhance their already existing knowledge and improve their knowledge in new fields.

So these can be helpful in managing their time and works . It also helps to manage their family and it provide time to spend their time with their family instead searching jobs at many locations.

By using this the users get high benefit and easily find their jobs for their known skills.

12. Future Scope

This application can be used by many people in future so they this will get daily basis for job seekers to find jobs.

And by designing the application through high level technologies can able to give better customer support.

By adding Machine learning algorithms and artificial intelligence , we can able to predict the industry market at which time the demand get increased so that we can recommend more number of updates in a particular time so that the users can able to prepare for the interview process earlier.

Git Up code link

https://github.com/IBM-EPBL/IBM-Project-33254-1660217126.git