

# PROJECT REPORT SUBMISSION

Date	19 November 2022
Team ID	PNT2022TMID32708
Project Name	Job/Skill Recommender

## IDEATION PHASE

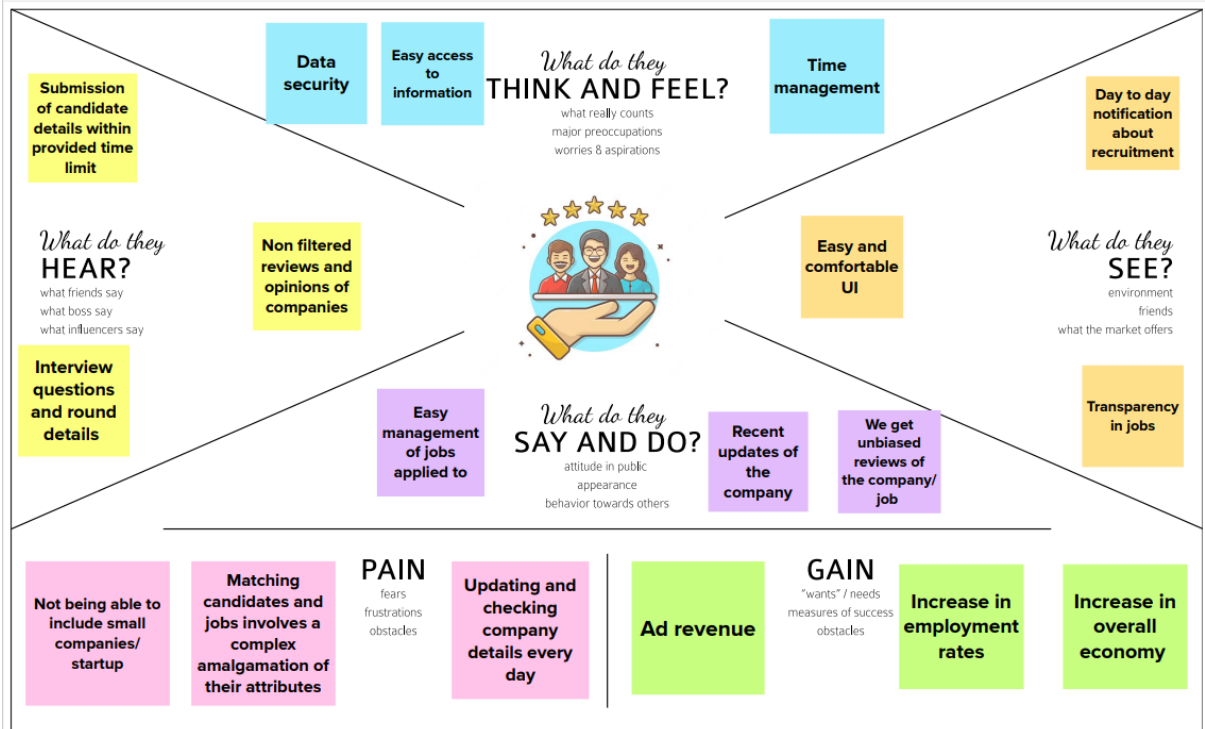
### 1. Literature Survey

A survey on various papers published by professionals regarding the topic to further our understanding of how to go ahead with the project of Job and Skill Recommender.

### 2. Empathy Map

A diagrammatic Representation of our Project and the Effects it has on the Society as unemployment is at an all time high due to the Pandemic.

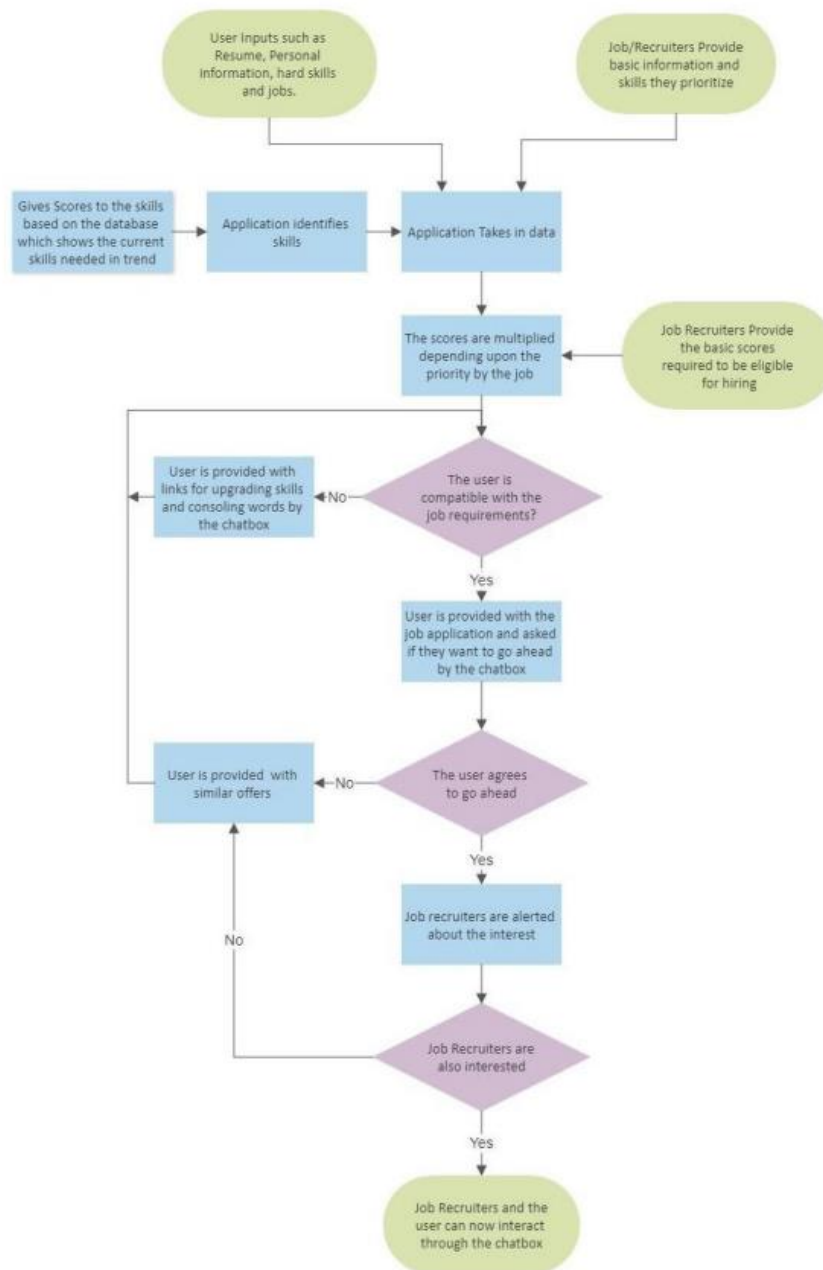
## SKILL AND JOB RECOMMENDER



### 3. Ideation

An in-detail explanation of the web application, its key features as well as our priorities while making the application.





## PROJECT DESIGN PHASE 2

### 1. Customer Journey

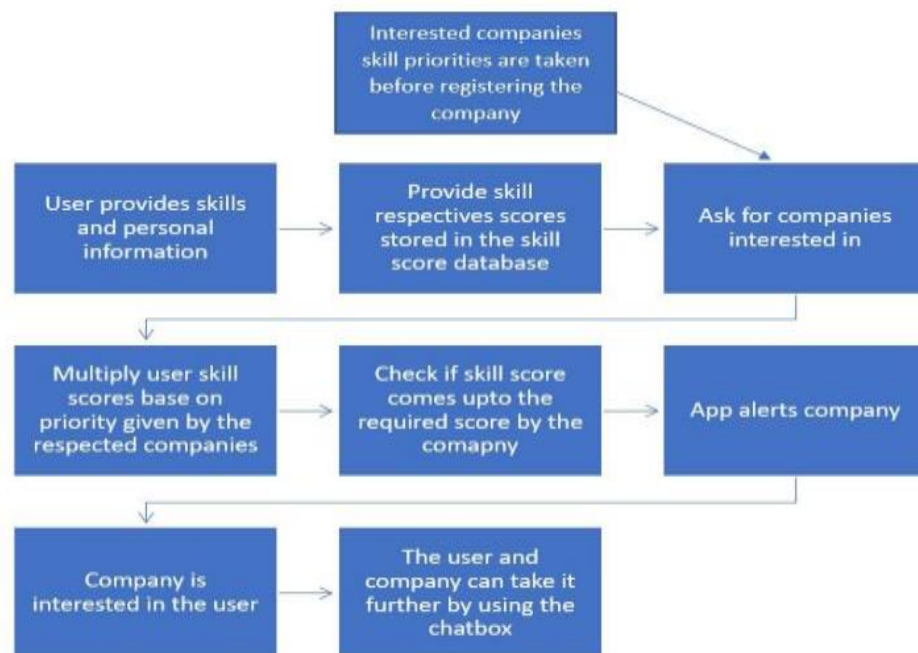
A detailed representation of Steps, Interactions, Goals and Motivations, Positive moments, Negative moments and Areas of Opportunity for the web application.

### 2. Functional Requirement

An explanation of Functional and non-Functional requirements of the web Application.

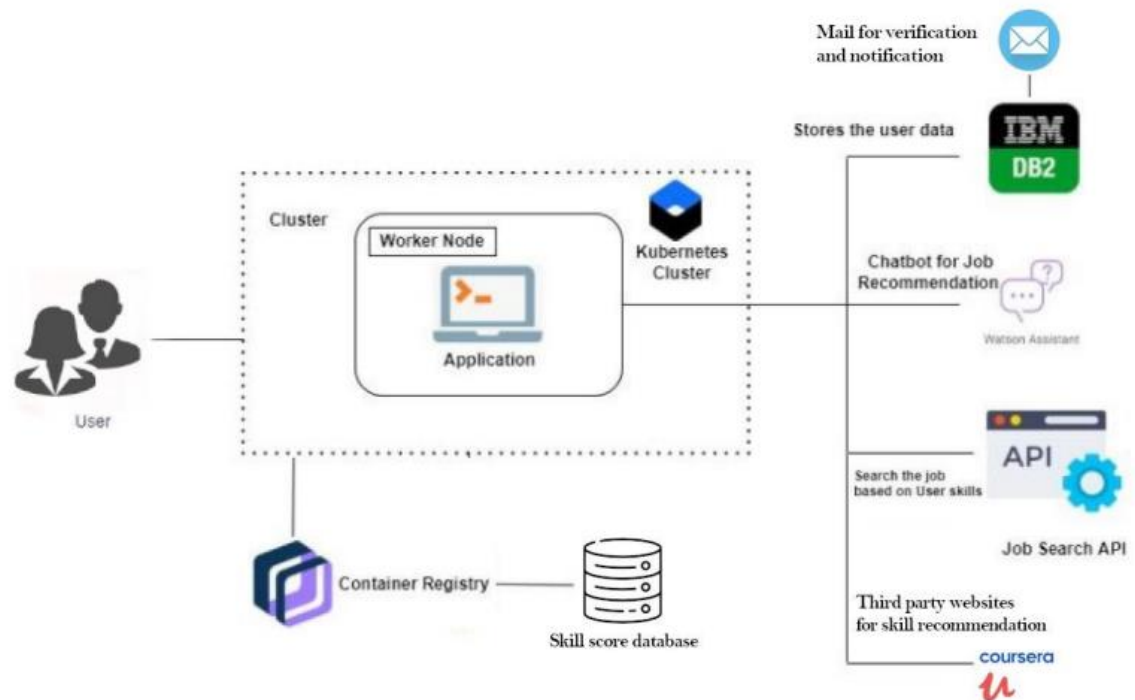
### 3. Data Flow Diagrams

A traditional visual representation of how the information flows within the web application, it is a neat and clear DFD that 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.



### 4. Technology Architecture

It has the Architectural Diagram as well the Technologies used to implement the Web application.

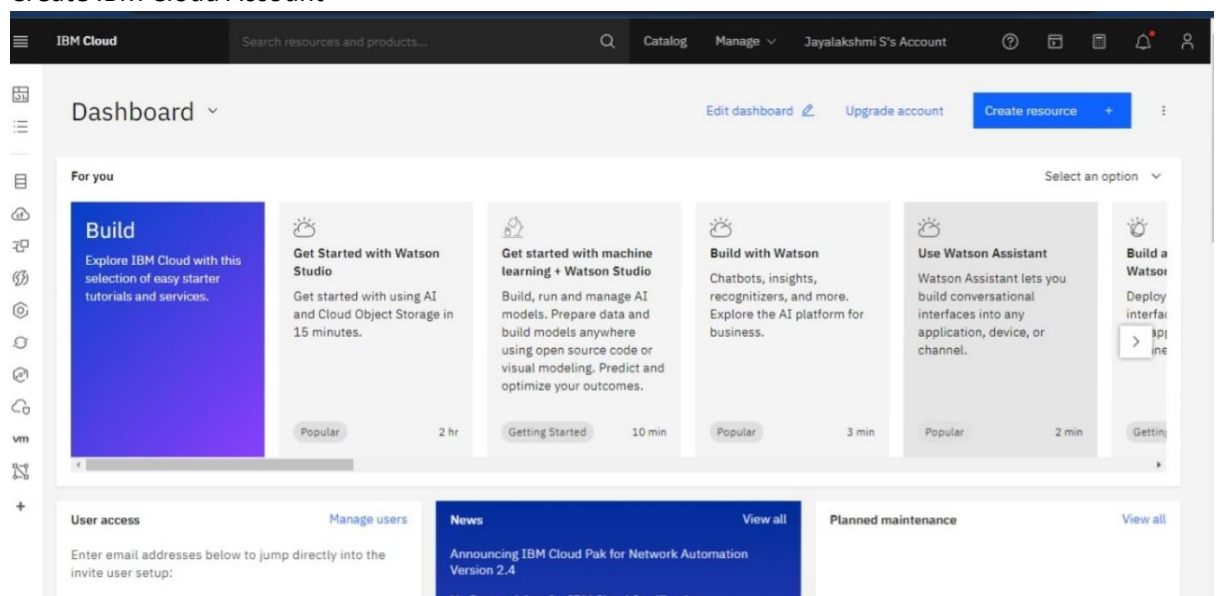


## PROJECT PLANNING PHASE

1. Prepare Milestone and Activity List  
Compilation and detailed explanation of all the tasks submitted till date.
2. Sprint Delivery Plan  
Activity about what to do in further plans and how the web application has been divided into Further sprints.

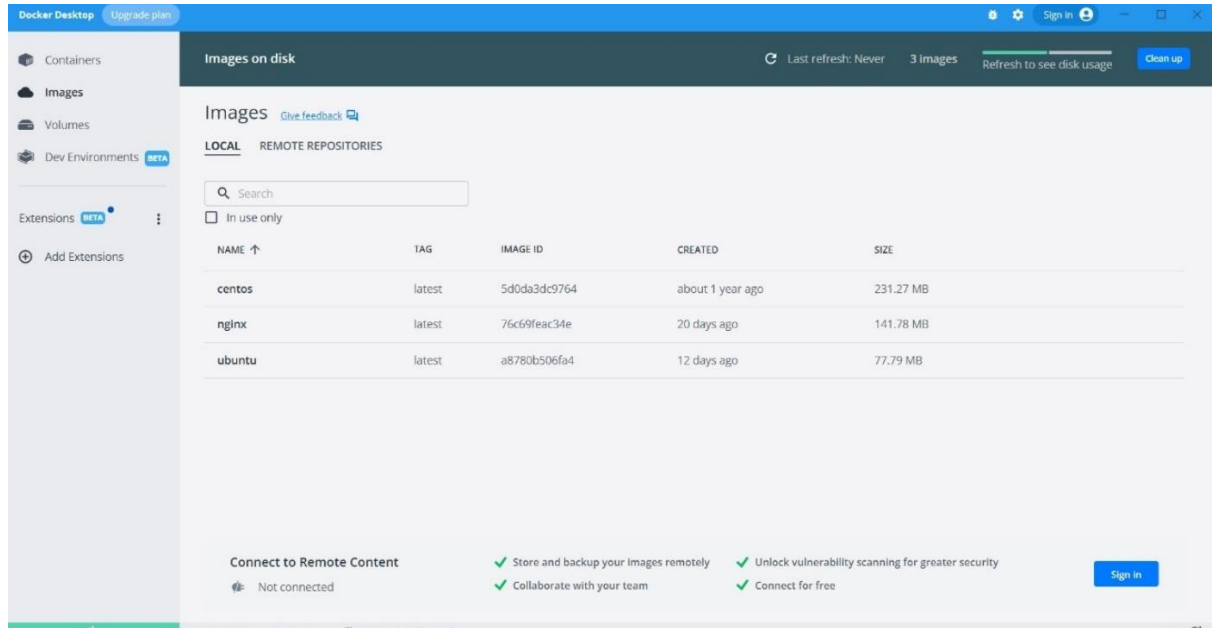
## SETTING UP APPLICATION ENVIROMENT

1. Create Flask Project
2. Create IBM Cloud Account



3. Create IBM Cloud CLI

#### 4. Docker CLI Installation



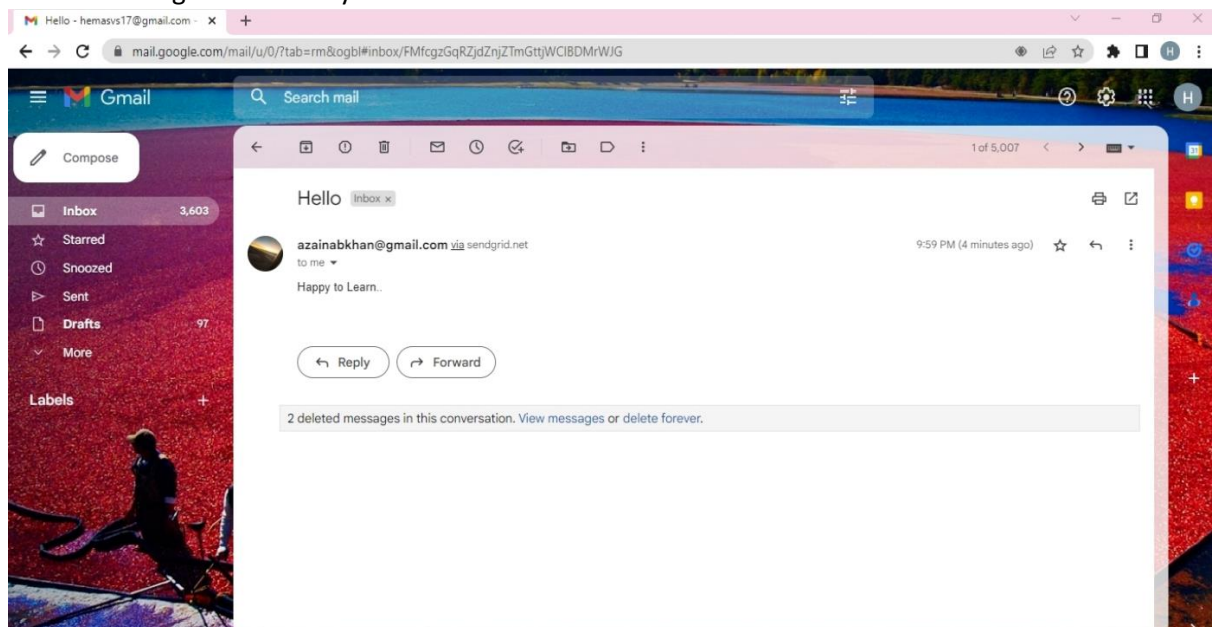
#### 5. Create an account In SendGrid

### IMPLEMENTING WEB APPLICATION

1. Create UI To Interact with Application
2. Create IBM DB2 and Connect with Python

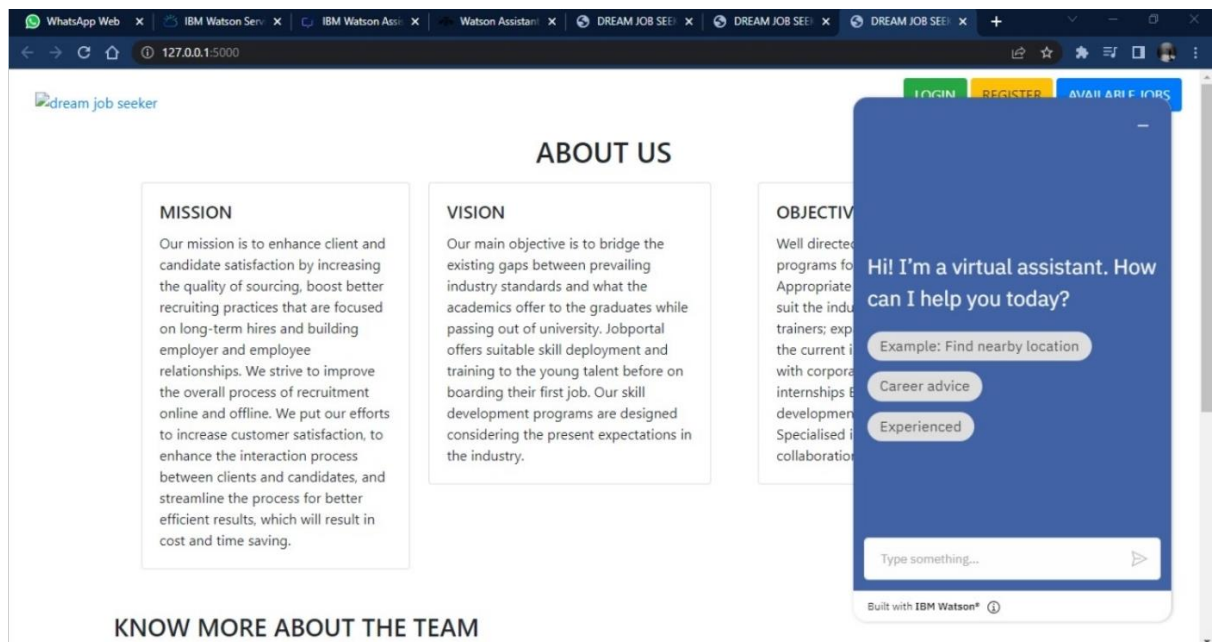
### INTEGRATING SENDGRID SERVICE

1. SendGrid Integration with Python Code



### DEVELOPING A CHATBOT

1. Building Chatbot and Integrate with App



## DEPLOYMENT OF APP IN IBM CLOUD

1. Containerize the App
2. Upload Image to IBM Container Registry
3. Deploy in Kubernetes Cluster

## PROJECT DEVELOPMENT PHASE

1. Delivery of Sprint 1
  - Creating the UI as well as the home page.
  - Creating a registration page for the user
  - Saving the users information onto the Database
2. Delivery of Sprint 2
  - Adding a chatbot to make the webpage further interactive
  - Asking the user about how they want to proceed with application
  - Successful registration and addition of users mail id
3. Delivery of Sprint 3
  - Addition of Skill scores
4. Delivery of Sprint 4
  - Deployment of the web application