Template

# SKILL AND JOB RECOMMENDER

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.

**10 minutes** to prepare
**1 hour** to collaborate
**2-8 people** recommended

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## 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.

10 minutes

**Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

**Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.

**Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

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## 1 Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM
Having lots of skills but wondering which job will best suit you? Don't need to worry! We have come up with a skill recommender solution through which the fresher or the skilled person can log in and find the jobs by using the search option or they can directly interact with the chatbot and get their dream job.

### Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.

## 2 Brainstorm

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

10 minutes

**S.MuthuGanesh**

- Provide efficient dataset to the system.
- Job description exact be given to the backend developers.
- Some email registration are not valid.
- Invalid username and password are not enter the system.
- They do given to the users according to the rights skills and requirements of the company.

**Naresh R**

- We have to have bigger dataset for to train data and better to train data and have enough time to process.
- Form we could that Chatbot and Flask web application so that user can interact with it on Google Colab.
- We improved the accuracy of the model by using different algorithms and hyperparameter tuning. We accomplished that by using GridSearchCV.
- Creating a recommendation system algorithm that will set for recommended jobs.
- Building more powerful AI model and better prediction accuracy.
- Finding best hyper parameter to train the model.

**Prasath Kumar S**

- we perform step words removal, lemmatization and tokenization for the Portuguese language
- the first step in this phase is choosing our job offers that are not belong to the IT field.
- manager but failed to build model due to overfitting caused by small dataset.
- Although we retrieved data from job search sites using only IT keywords,

**Praveen Kumar S**

- build their personal movie recommendation system, for example, for a resume project
- the data sparsity of user preferences changes in user preferences over time.
- squared distances between every point and its nearest cluster mean called centroid
- manager but failed to build model due to overfitting caused by small dataset.

## 3 Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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.

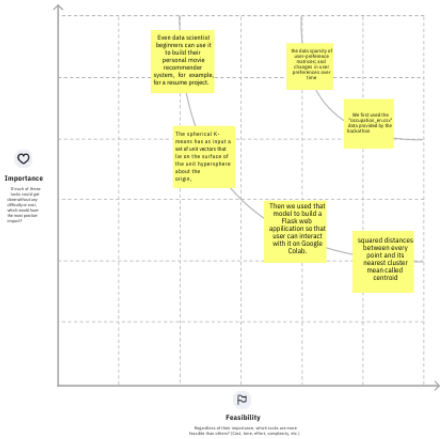
20 minutes

- K-means clustering: K-means is a popular and simple to implement algorithm.
- It groups N data points into k clusters by minimizing the sum of squared distances between every point and its nearest cluster mean called centroid.
- The centroid of every cluster is recalculated as the mean of all data points assigned to this cluster.
- The spherical K-means has as input a set of unit vectors that lie on the surface of the unit hypersphere about the origin,
- Using clustering can address several known issues in recommendation systems, including increasing the diversity, consistency, and reliability of recommendations;.
- Collaborative filtering (CF) and its modifications is one of the most commonly used recommendation algorithms.

## 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




## After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

### Quick add-ons

**Share the mural**
**Share a view link** to the mural with stakeholders to keep them in the loop about the outcomes of the session.

**Export the mural**
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

### Keep moving forward

**Strategy blueprint**
Define the components of a new idea or strategy.
Open the template

**Customer experience journey map**
Understand customer needs, motivations, and obstacles for an experience.
Open the template

**Strengths, weaknesses, opportunities & threats** Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
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**Need some inspiration?**
See a finished version of this template to kickstart your work.
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