Ideation Phase

Brainstorm & Idea Prioritization Template

Date	13 October 2023
Team ID	Team - 593012
Project Name	Project – Alzheimer's Disease Prediction

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team

to participate in the creative thinking process that leads to problem solving. Prioritizing

volume over value, out-of-the-box ideas are welcome and built upon, and all participants are

encouraged to collaborate, helping each other develop a rich amount of 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.

Mural Link:

https://app.mural.co/t/angad20029321/m/angad20029321/1697171919867/14c94eab01f0de57414
6bc835eb53c746fc4880c?sender=uff1521e2631a09f255c59105

Problem Statement For Brainstorming:

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

Template

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.

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

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

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

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

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

Open article

1 Define your problem statement

How might we leverage Deep Learning techniques to predict the progression of Alzheimer's disease effectively, enabling early intervention and personalized care for patients?

5 minutes

> **PROBLEM**
> How might we [your problem statement]?

Key rules of brainstorming
To run a smooth and productive session

Stay in topic.   Encourage wild ideas.

Defer judgment.   Listen to others.

Go for volume.   If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

10 minutes

ASHISH BENNY

Mobile Based solution which will provided to Health Care Facility

K means Cluster for numerical dataSet to classify the progression of the disease

Creation of Rest API so that other can integrate the tool in their Workflow

Gathering DataSet from WHO and other Health Organisation

Sidharth Dinesh

CNN based prediction model for stage prediction

Flask deployment of the model for web app creation

Comparison between multiple model implementations for best results

LSTM model using time-series dataset

NLP based model for prediction using patient medical history.

Angad Singh

A web application using transfer learning techniques.

A mobile app using xgboost or catboost model.

A web application using unsupervised learning techniques.

Alzheimer's Image Scanner using png formatted dataset

Brainstorm

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

10 minutes

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

ASHISH BENNY

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- K means Cluster for numerical dataSet to classify the progression of the disease
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Sidharth Dinesh

- CNN based prediction model for stage prediction
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Angad Singh

- A web application using transfer learning techniques.
- A mobile app using xgboost or catboost model.
- A web application using unsupervised learning techniques.
- Alzheimer's Image Scanner using png formatted dataset

- A web application using transfer learning techniques.
- A web application using unsupervised learning such as K means.
- Creation of Rest API based CNN image Classifier to integrate the tool into their Workflow
- Xgboost or Catboost based model using raw datasets from WHO or other health organizations and applying NLP.
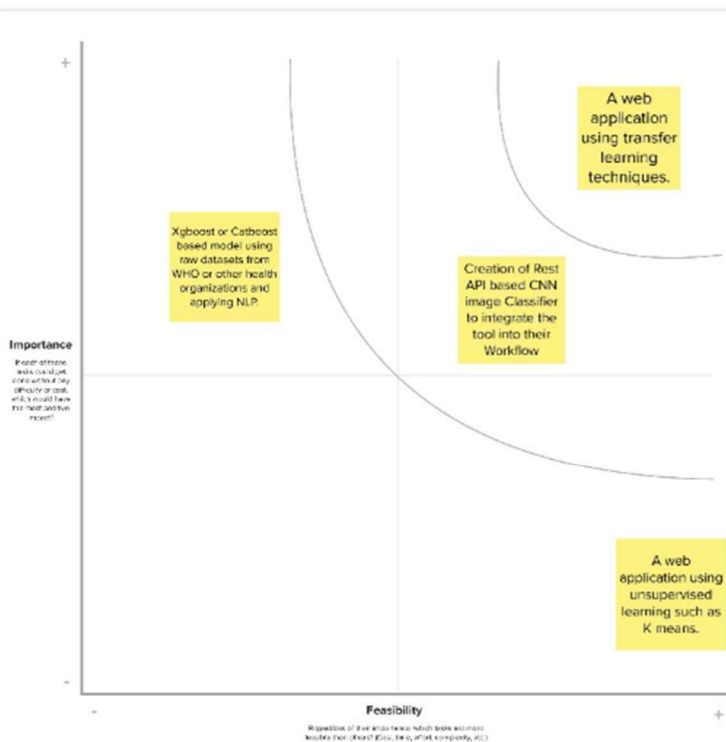
Step-3: Idea Prioritization

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

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.

Importance

In each of these tasks, could you think about any difficulty or cost, which could have the most positive impact?

Xgboost or Catboost based model using raw datasets from WHO or other health organizations and applying NLP.

A web application using transfer learning techniques.

Creation of Rest API based CNN image Classifier to integrate the tool into their Workflow

A web application using unsupervised learning such as K means.

Feasibility

Regardless of their importance which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

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.
Open the template

Share template feedback