

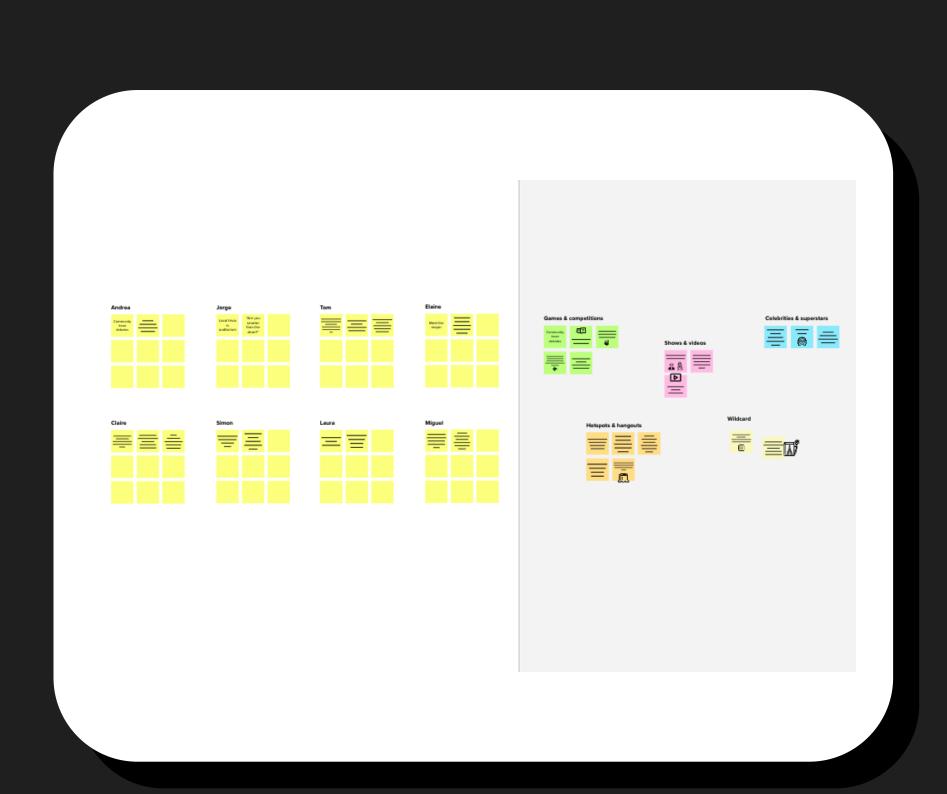
Optimizing Spam Filtering With Machine Learning

Due to the Spam SMS problem, we create this project using Natural language processing technique for spam SMS identification.

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



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Need some inspiration?

See a finished version of this template to kickstart your work.

Open example →



A Team Learder Sign in Mural Account through our user name and Mail id. Team leader sharing a invite link through the mail id in our team members. Atlast our team members join in the Workspace.

10 minutes

Team Gathering

Totally Four Participation are there. We invite Members through Mural link and Gathered in this session.

Set The Goal

The main objective of the project is to detect unsolicated and unwanted emils.we can prevent spam messagr from creeping into the users inbox, there by improving users experience

Use The Facilitation Tools

Facilitation tools can be very helpful for guiding group discussions, brainstroming sessions.





Brainstonn

(1) 10 minutes



| kaggle dataset | Google colab for running the coding | Natural language technique |
|-------------------|--|----------------------------------|
| python | | |
| | | |

SARANYA M

| anaconda prompt | HTML is used | Operating System | | | | | | |
|-----------------------|--------------|---------------------|--|--|--|--|--|--|
| network connection | | | | | | | | |
| | | | | | | | | |

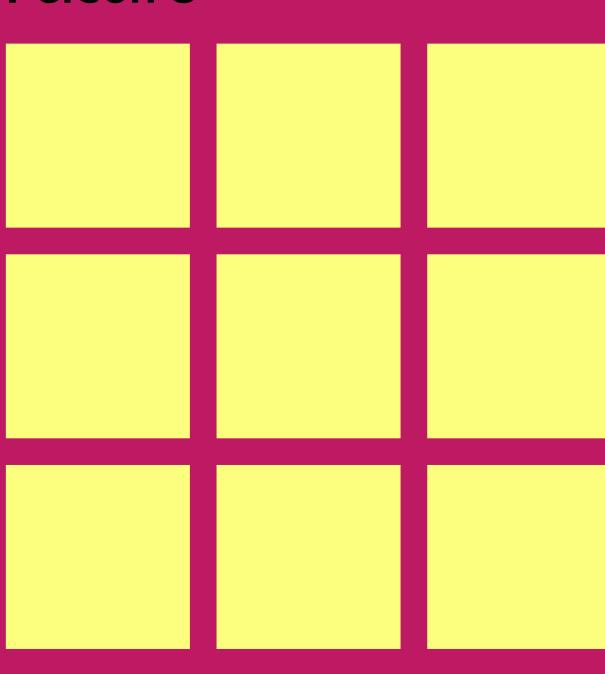
SARANYA S

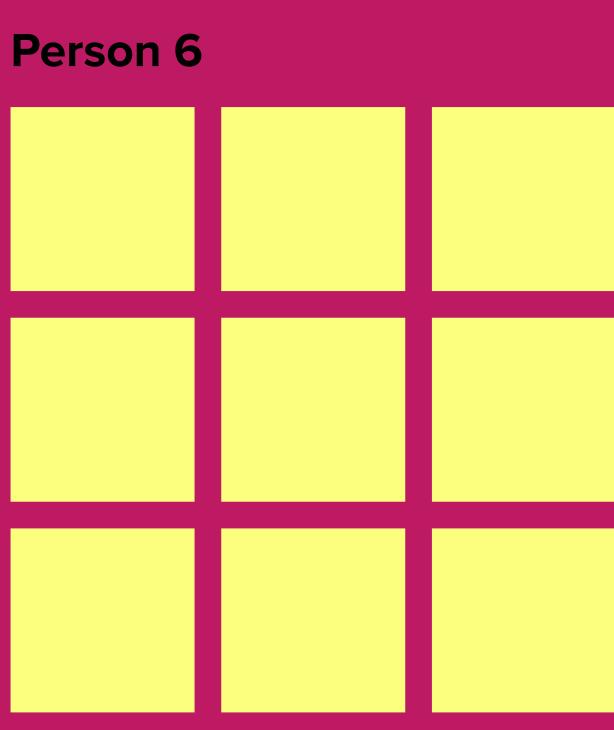
| SARANIAS | | | | | | |
|---------------------------------|------------------|-------------------------|--|--|--|--|
| Random Forest Model | Web Framework | Naive Bayes Model | | | | |
| identify the spam message | | | | | | |
| | | | | | | |

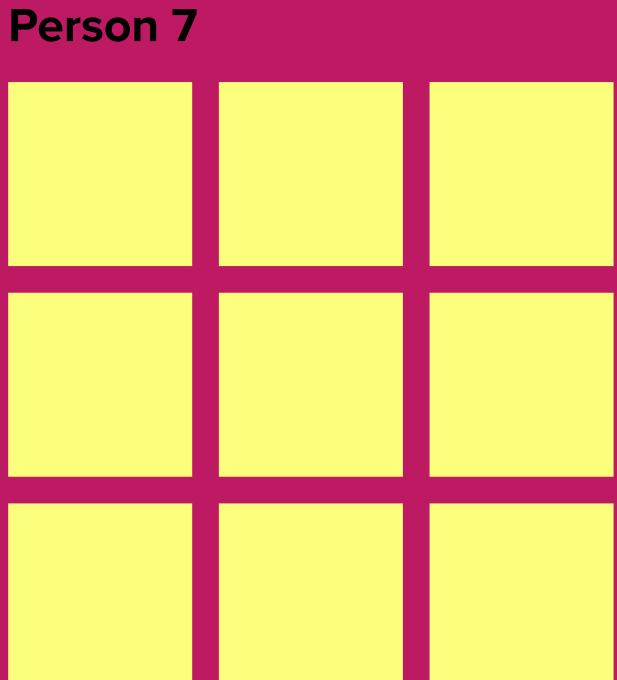
SHANMUGA PRIYA.N

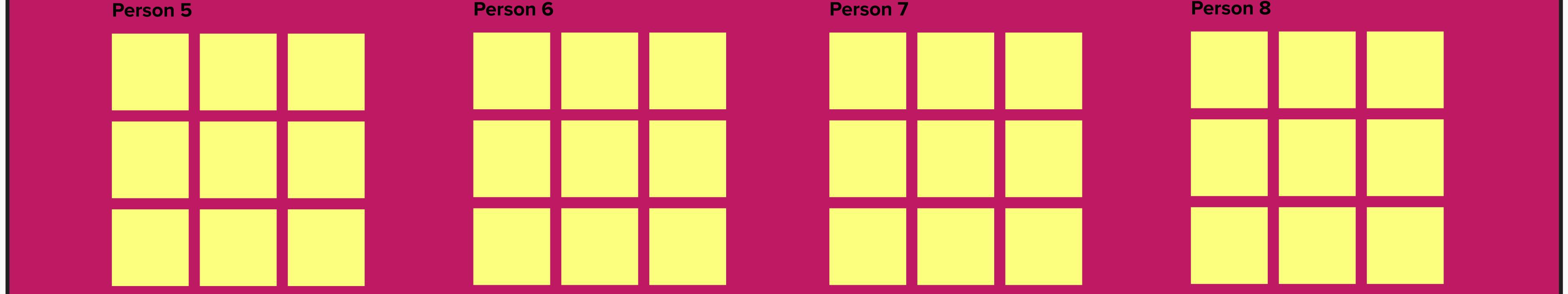
| SI IAINIOCA I INITA.IN | | | | | |
|------------------------|--|--------------|--|---------------------------------|--|
| KNN algorithm | | ANN Model | | Online libraries in colab | |
| Decision tree model | | | | | |
| | | | | | |

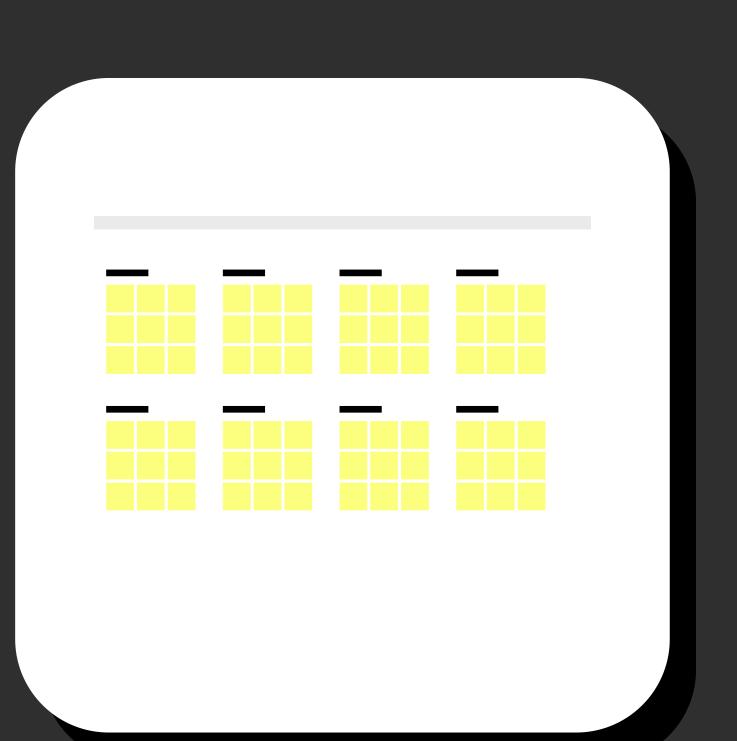
Person 5

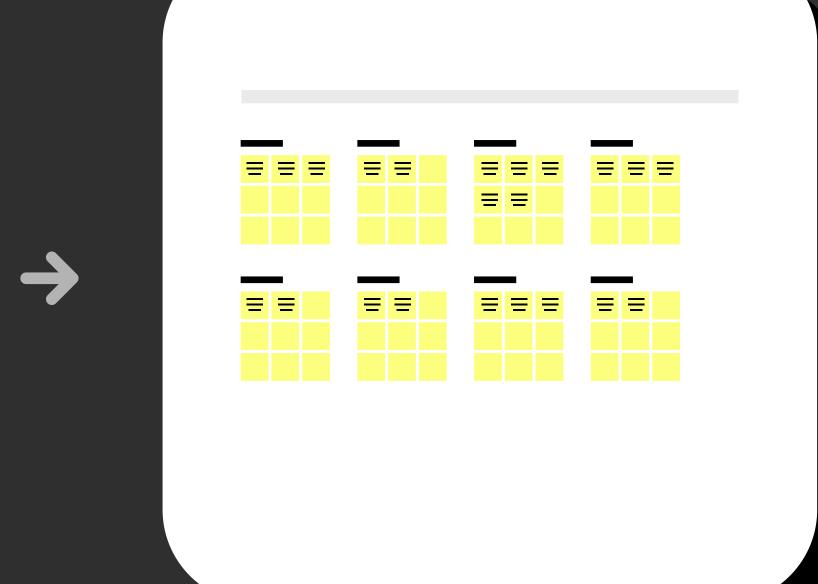










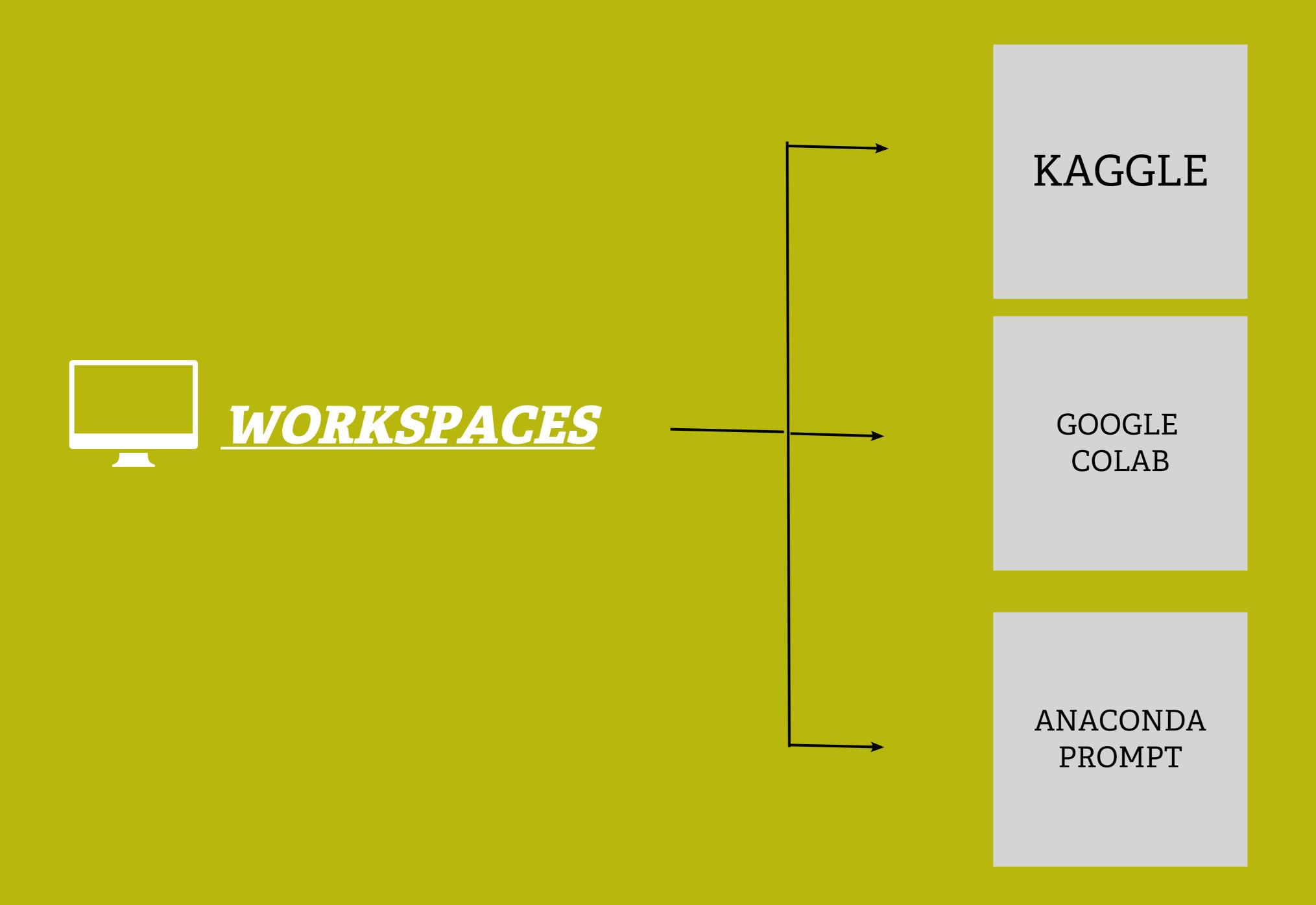


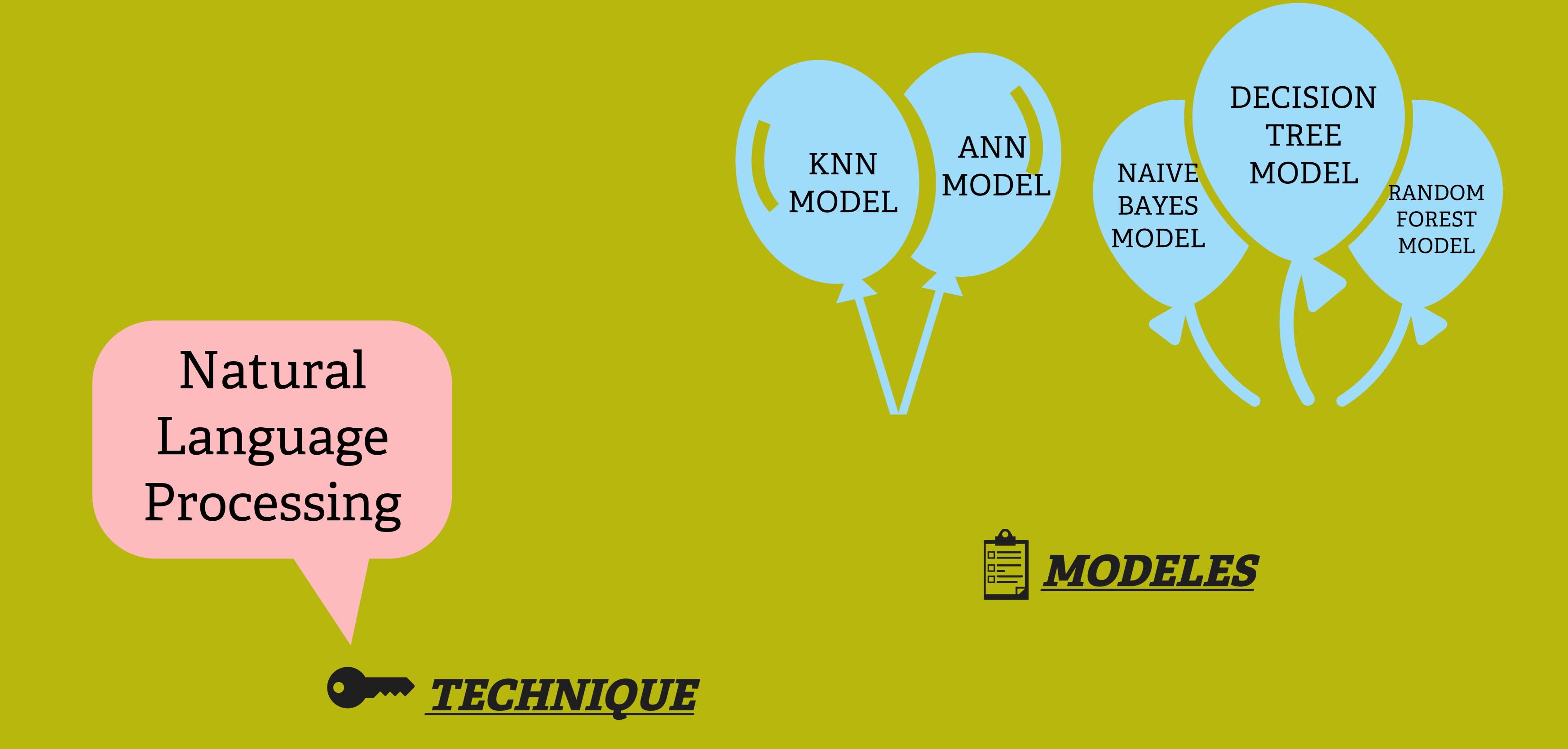
Our Group ideas

- 1.SMS spam kaggle data set
- 2.Google colab for running the coding
- 3.KNN, ANN, Naive Bayes, Random Forest and Decision

Tree models are used

- 4.Natural Language Pocessing technique
- 5.Python language is used with Anaconda prompt

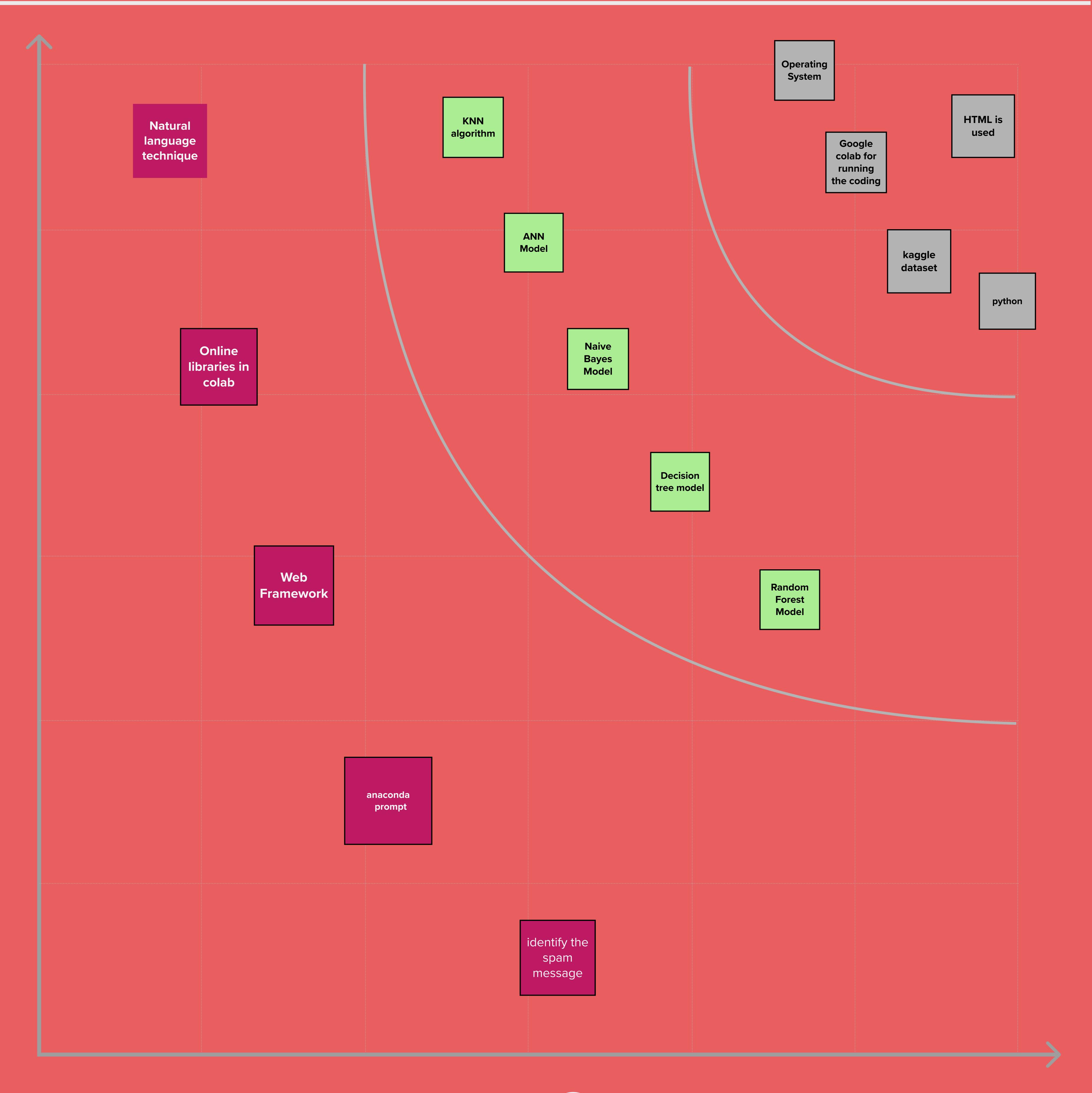






Prioritize

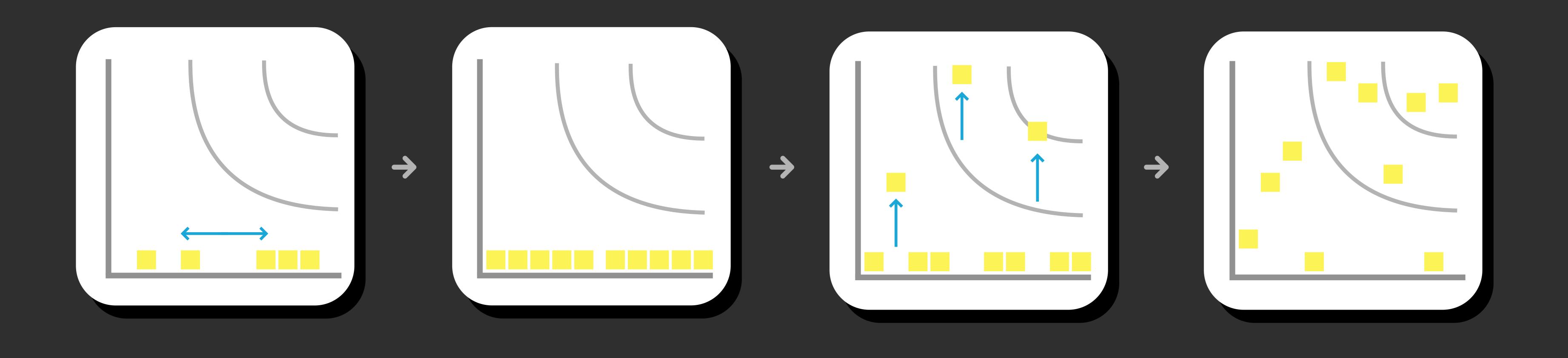
① 20 minutes





Feasibility

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





After you collaborate

we export the mural as pdf to share. it is helpful to getting information.

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 →

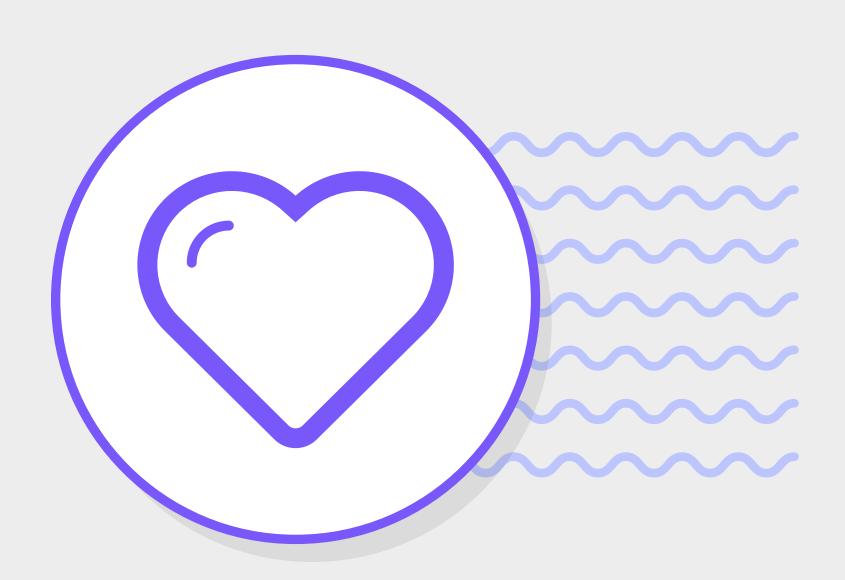


Strengths, weaknesses, opportunities & threats

Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

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Empathy map canvas

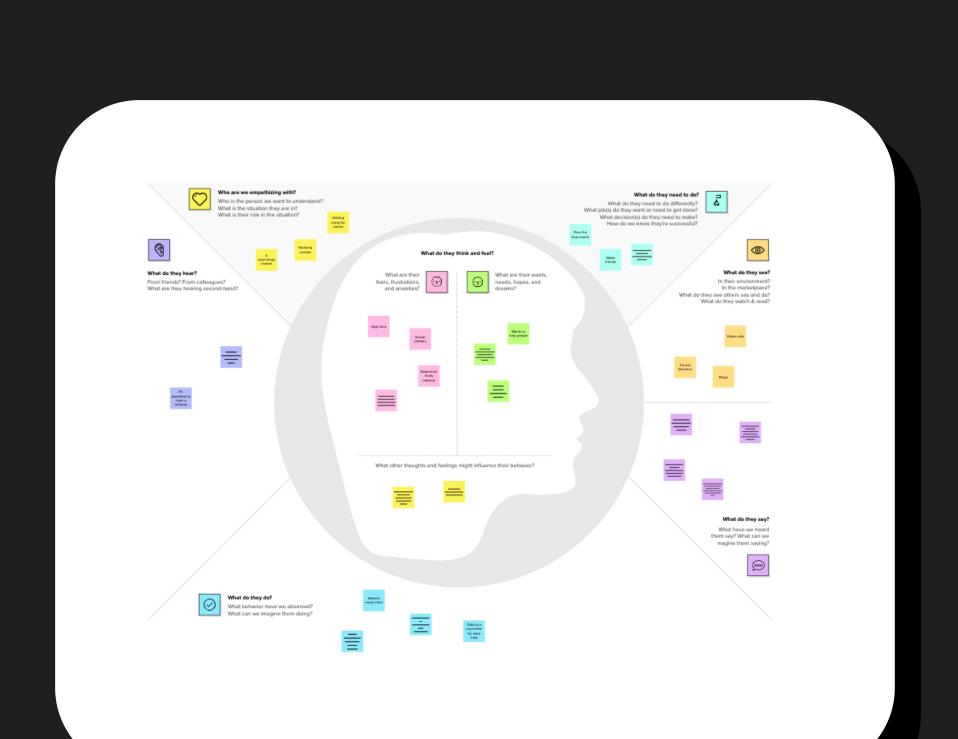
Use this framework to empathize with a customer, user, or any person who is affected by a team's work.

Document and discuss your observations and note your assumptions to gain more empathy for the people you serve.

Originally created by Dave Gray at

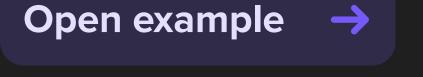


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Need some inspiration?

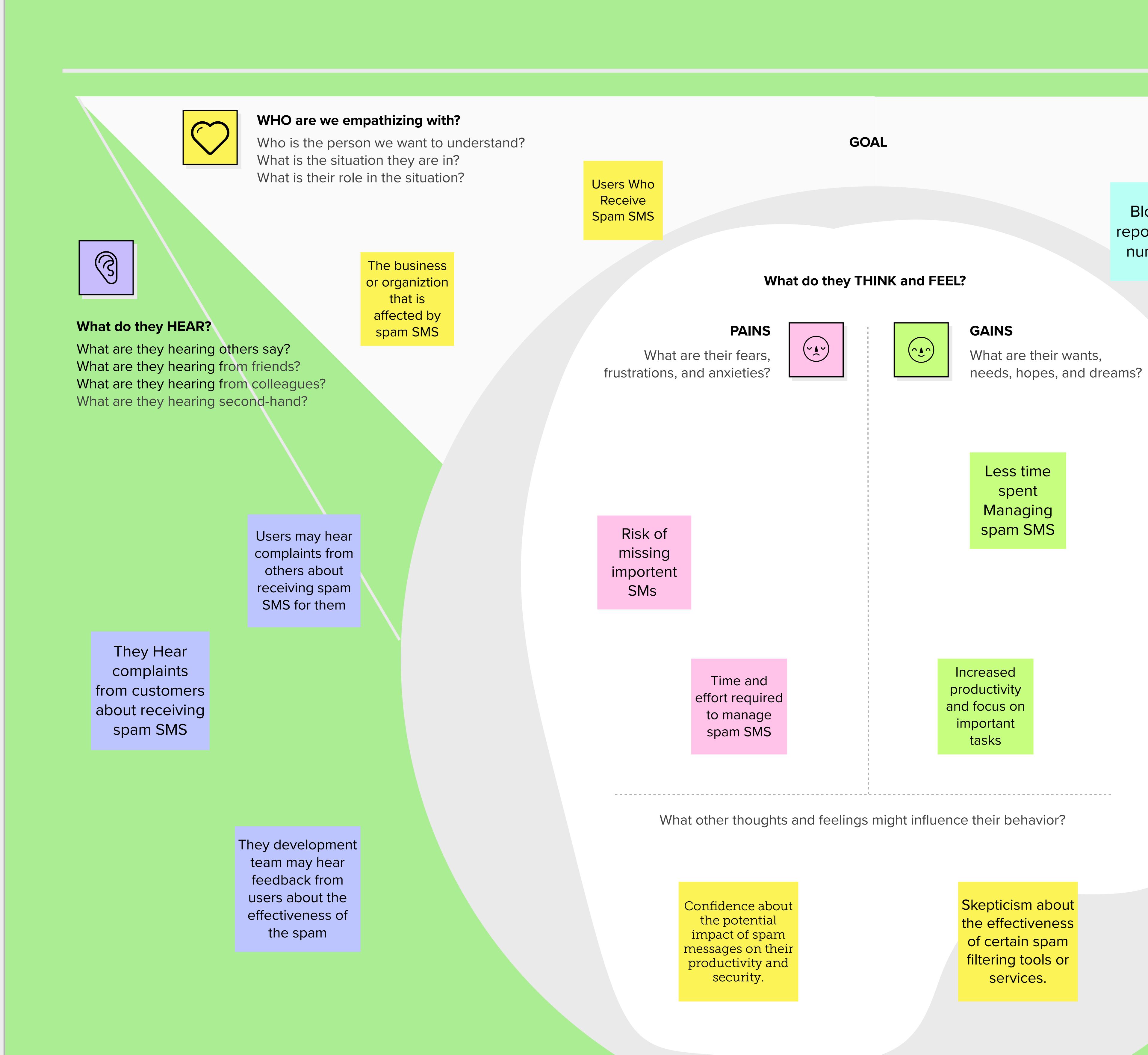
See a finished version of this template to kickstart your work.





Develop shared understanding and empathy

Summarize the data you have gathered related to the people that are impacted by your work. It will help you generate ideas, prioritize features, or discuss decisions.



What do they need to DO?

What do they need to do differently? What job(s) do they want or need to get done? What decision(s) do they need to make?

How will we know they were successful?

Delete spam texts

immediately

upon receiving

them.

Block or

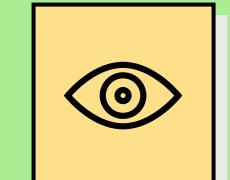
report spam

numbers.

spent

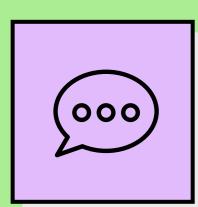
User see their SMS inbox cluttered with spam message

The business or Organization may see a decrease in productivith.



What do they SEE?

What do they see in the marketplace? What do they see in their immediate environment? What do they see others saying and doing? What are they watching and reading?



What do they SAY?

What have we heard them say? What can we magine them saying?

> I'm tired of getting so much spam in my sms

> > I need a spam filter that's

reliable and

easy to use

What do they DO?

What do they do today? What behavior have we observed? What can we imagine them doing?

Manually mark text as spam or not spam

Check their spam folder regularly for important message

Block or report spam senders.





