Ideation Phase
Brainstorm & Idea Prioritization Template

Date	2 November 2022
Team ID	PNT2022TMID39652
Project Name	Web Phishing Detection
Maximum Marks	4 Marks

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.

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

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

Step-2: Brainstorm, Idea Listing and Grouping

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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

Phishing detection using random forest algorithm

Identify phishing URL using features.
A classification is made by passing
each input vector down each tree,
randomly.
Each tree gives a classification, or vote,
and the forest chooses the
classification with the most instances,
or votes .
It runs efficiently on large datasets and
it can handle missing values.

Phishing detection using decision tree

Identify the criteria that can
recognize fake URLs.

Build a decision tree that can iterate
through the criteria.

Train our model to recognize fake
vs real URLs.

Evaluate our model to see how it
performs.

Check for false positives/negatives.

TIP

Add customizable tags to sticky
notes to make it easier to find,
browse, organize, and
categorize important ideas as
themes within your mural.

Phishing detection using databases

Check if input URL is in
Phishing website list.
If not in phishing website list
, check if keyword is in
phishing website list.
Check if phishing websites
features match.
Check if domain is
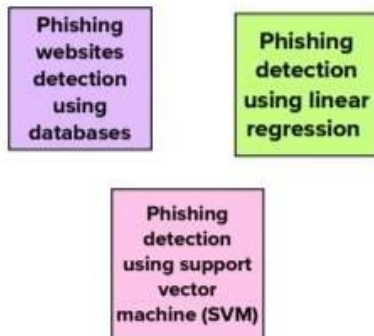registered in WHOIS
database

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Brainstorm

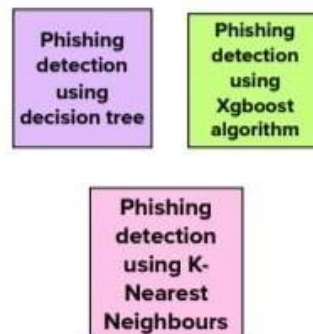Write down any ideas that come to mind that address your problem statement.

⏱ 10 minutes

Person 1

Phishing websites detection using databases

Phishing detection using linear regression

Phishing detection using support vector machine (SVM)

Person 2

Phishing detection using decision tree

Phishing detection using Xgboost algorithm

Phishing detection using K-Nearest Neighbours

Person 3

Phishing detection using categorial naive bayes model

Phishing detection using autoencoder

Preventing Phishing Attacks Using Pshark

Person 4

Phishing detection based on white and blacklist

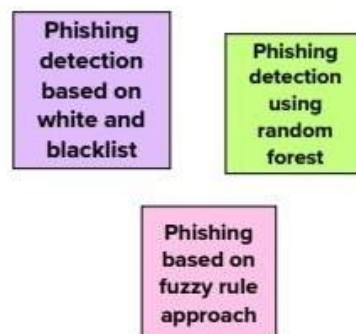Phishing detection using random forest

Phishing based on fuzzy rule approach
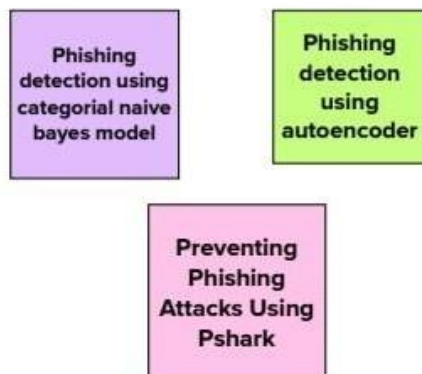
Step-3: Idea Prioritization

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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