

Phisher: A phishing detector

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Introduction

Phishing attacks are a growing threat to internet users worldwide. These attacks use fraudulent emails, websites, and other forms of communication to trick users into revealing sensitive information such as login credentials, credit card numbers, and personal data. As a result, phishing attacks can lead to identity theft, financial loss, and other serious consequences.

Scope

Phisher is software that helps identify and prevent phishing attacks. It does this by analyzing and detecting signs that a message or website might be a phishing attempt, such as the presence of a suspicious URL, mismatched domains, or the use of known phishing tactics, and also with the integration of human intuition from the user feedback. This also gives updates about the latest phishing attacks and creates awareness among the people.

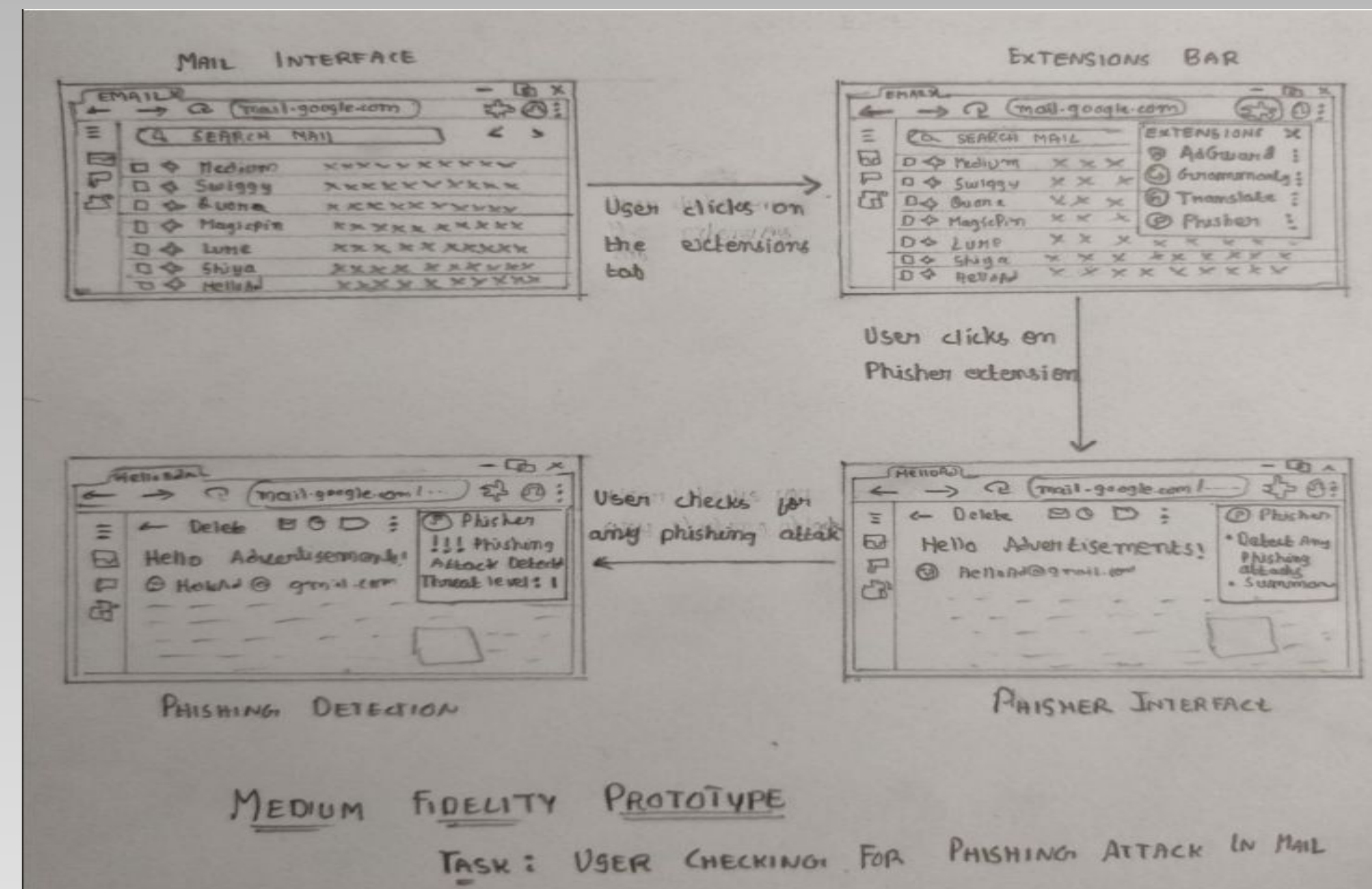
Materials and Methods

The literature review analyzed various research papers, articles, blogs, etc. In addition to readings, a comparative analysis was conducted between some of the available phishing tools.

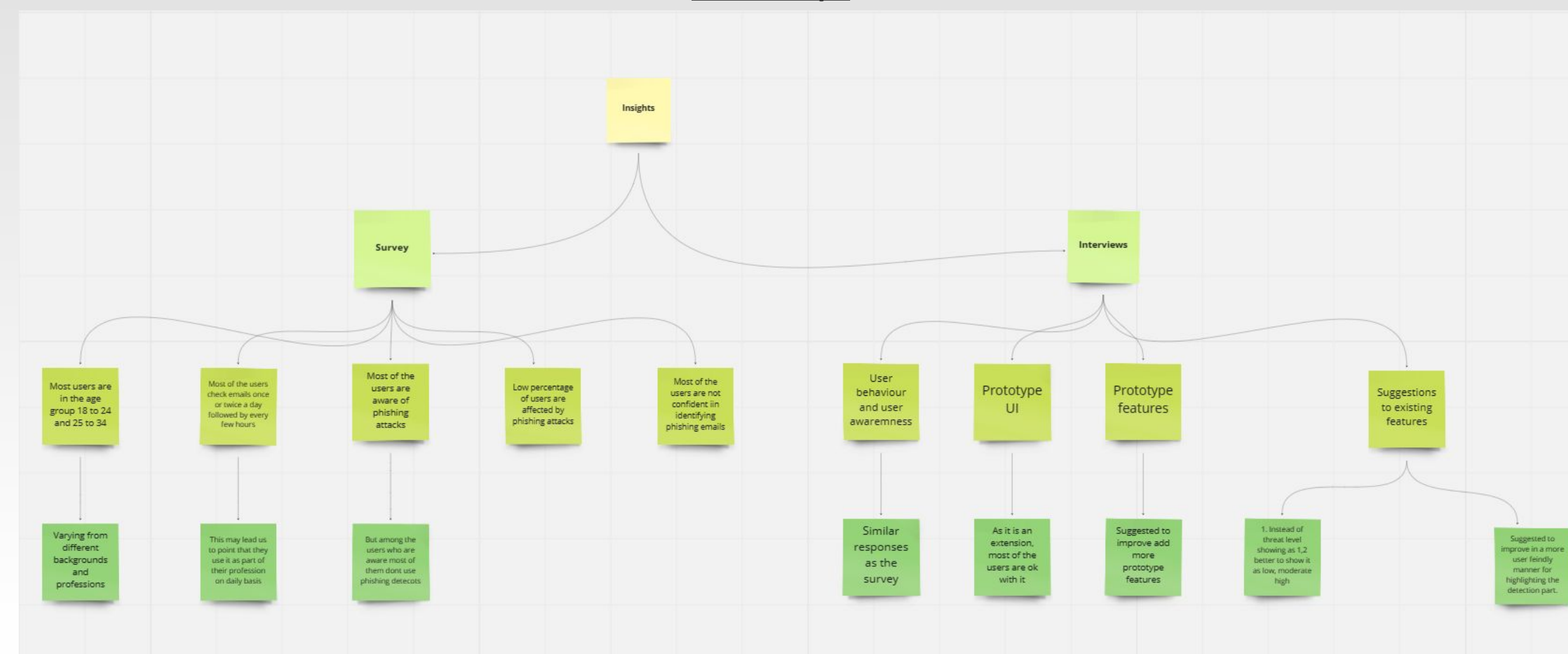
Usability studies were conducted in the form of surveys, and contextual interviews where general and broad questions related to the project and the usability of Low-fi and Hi-fi were answered, respectively.

Approximately 50 people have been involved in the usability studies to date.

Low Fidelity Prototype



Miro Maps



Findings from surveys

- Most users are in the age group 18 to 24 and 25 to 34
- Most of the users check emails once or twice a day followed by every few hours
- Most of the users are aware of phishing attacks
- Low percentage of users are affected by phishing attacks
- Most of the users are not confident in identifying phishing emails,

Findings from contextual Interviews

- As it is an extension, most of the users are ok with it
- Instead of the threat level showing as 1,2 better to show it as low, moderate-high
- Suggested to improve in a more user friendly manner for highlighting the detection part.

References

- Literature review: [LINK](#)
- Comparative analysis: [LINK](#)
- Low-Fidelity Prototype: [LINK](#)
- Hi- Fidelity Prototype: [LINK](#)
- Contextual Interviews: [LINK](#)
- Survey: [LINK](#)
- Miro maps: [LINK](#)