Project Backlog and User Stories

1. User Roles

Internet User
People that range from unfamiliar to quite familiar with a phishing email and how to differentiate phishing and non-phishing email. Have a basic to middle knowledge of operating a computer and accessing the internet.

2. User Stories

Must-Have:

As a user, I want the software to help detect a phishing email. Role: Average internet user **Perform accurate phishing URL detection with resistance to FP and FN**	ML model for phishing email detection focused on the URL and ESP of the email sender.

As a user, I want the software to be able to detect a forged image on the email. Role: Average internet user **Provide a good image forgery detection feature**	Combines CBIR and SSIM for image forgery detection.

As a user, I want the software to increase my knowledge and awareness using real phishing simulation. Role: Average internet user **Deliver a good learning experience through a simulation game**	Phishing email simulation game based on actual phishing URL on an isolated HTML page.

Should-Have:

As a user, I want the software to protect me from accidentally clicking on a malicious link. Role: Average internet user **Accidental click protection**	DOM manipulation to disable anchor elements on the page.

As a user, I want the software to be sensitive enough to detect an embedded payload inside the email's images. Role: Average internet user **Image steganography detection**	SSIM model proposed was sensitive enough to detect payload inside an image.

Could-Have:

As a user, I want the software to inform me about its current process. Role: Average internet user **Bubble text information**	A floating bubble text will inform the user about the current status of the email examination.

As a user, I want the software to have a simple yet interactive UI. Role: Average internet user **Interactive User Interface**	Uncomplicated and appealing user interfaces can also entice the users to use the developed application.

Won't-Have:

As a user, I want the software to be used on a real ESP. Role: Average internet user **Real email data scrapping**	The software can not be used on an actual ESP such as Gmail because the main focus of this project was to examine its functionality.

As a user, I want the software to have a phishing email database to report a new phishing email. Role: Average internet user **Report phishing feature**	The development of a database for the phishing reports by the user cannot be carried out because the main focus of this project is the functionality of the app.

As a user, I want the software to look up a bigger image database like Google image search for image forgery detection. Role: Average internet user **Google image search integration**	Google's image database, which is more powerful for image forgery detection than the Author's pre-crafted image datasets, is not possible due to API permissions and time constraints for the project.