

PhishGuard – Mobile Phishing Simulation Training App

Team Members:

Allan Salazar – Frontend Developer

Design and implement the Android user interface. Ensure a easy to use graphical user interface for customers and developers. Integrate the use of AI and how the user can interact with it. Make sure navigation of login, simulations, results, are shown to the users.

Jonathen Flores – Backend Developer

Set up and manage the backend server & database. Develop APIs to handle user authentication, subscription management, inputs made by the users for simulations, and connection to AI Agent. Ensure secure data handling and proper role-based access to customers and providers.

Project Description: PhishGuard is an Android-based mobile application designed to train users in identifying and avoiding phishing attempts. The app provides interactive phishing simulations where users are presented with emails, text messages, or login pages that mimic real-world scams. Users must decide whether the message is legitimate or a phishing attempt. The goal of PhishGuard is to improve cybersecurity awareness by simulating realistic phishing attacks in a safe environment. By combining interactive learning, simulated payments, and AI-driven coaching, the app helps prepare users to recognize and avoid cyber threats in real life.

- Customer (Learner): End-users participate in phishing simulations, track their performance, and learn safe online practices.
- Provider (Trainer): Security trainers or administrators upload new phishing scenarios, manage content, and analyze user results.

The app includes a simulated payment system to let organizations or users “subscribe” to training modules. All data (users, scenarios, results, subscriptions) will be managed in a backend database.

An AI-powered chatbot agent is integrated to act as a cybersecurity coach, providing instant feedback and answering users’ security-related questions (e.g., “How do I know if this link is safe?”).