

## Title of the Project:

To develop a mobile application on Empowering Safe Digital Interaction:” Scammer Finder”.

## Introduction:

In an era dominated by digital transactions and online interactions, the prevalence of scams poses a significant threat to individuals and the integrity of our online community. Recognizing the need for proactive measures against fraudulent activities, I present the "Scammer Finder" project. The "Scammer Finder" mobile application goes beyond conventional security measures, providing users with a comprehensive toolkit to verify the authenticity of banking transactions, websites, and social media entities. Through innovative features such as account verification, name-based scammer search, and a user-generated scammer database, this application aims to equip individuals with the knowledge and tools necessary to make secure online interactions.

## Objective:

- 1.Enhance User Security: Develop tools for users to verify the authenticity of financial transactions, websites, and social media profiles, promoting a safer online experience.
2. Combat Scams: Create a robust mobile application that actively identifies and prevents scams through features like account verification, name-based searches, and a user-generated scammer database.
3. Facilitate Community Collaboration: Establish a community space within the app for users to share experiences, report scams with evidence, and engage in discussions to collectively combat online fraud
4. User Involvement: Encourage user participation by allowing them to contribute to the project through uploading scammer data, fostering a collaborative effort in building a comprehensive scam database.
5. Real-time Notifications: Implement a notification system to keep users informed about updates on scammer details they have added, fostering engagement and strengthening the collaborative fight against scams.
6. Cross-Platform Reach: Ensure accessibility on both Android and iOS platforms, maximizing the app's reach and impact in preventing online scams.
7. Efficient Administration: Provide an admin panel for streamlined management of user data, reported scams, and overall application functionality, ensuring effective and sustainable project operations.
8. Contribute to National Security: Align the project with the broader mission of creating a safer online environment, contributing to personal and national security by reducing the prevalence of online scams.

## Goal:

1. **Increased Online Security Awareness:** The project will contribute to raising awareness about online security issues, educating individuals about potential scams and fostering a more informed online community.
2. **Reduction in Scam Victimization:** By providing users with tools to verify the legitimacy of transactions and online entities, the project aims to significantly decrease the number of individuals falling victim to scams, leading to financial losses.
3. **Community Empowerment:** The collaborative features of the app will empower users to actively contribute to the fight against scams, creating a sense of community and shared responsibility in building a safer online environment.
4. **Prevention of Financial Loss:** Through account verification and scam reporting, the app will help users avoid financial losses, protecting their assets and promoting a more secure financial landscape.
5. **Trust in Online Interactions:** By validating websites, social media profiles, and transactions, the project will contribute to rebuilding trust in online interactions, making the digital space more reliable for individuals and businesses.
6. **National Security Enhancement:** The reduction in online scams not only protects individuals but also contributes to national security by minimizing the impact of cyber threats on the economy and financial stability.
7. **Data-driven Insights:** The user-generated scammer database can provide valuable insights into the patterns and tactics employed by scammers, aiding law enforcement agencies and policymakers in developing more effective strategies against online fraud.
8. **Educational Resource:** The app can serve as an educational resource, teaching users how to identify potential scams, fostering a culture of online literacy and resilience against fraudulent activities.

As a student of B.Sc. in Computer Science and Engineering, my goal is to contribute to a safer digital landscape by introducing a mobile application designed to empower users in identifying and avoiding potential scams.

## Motivation:

In an increasingly digital world, the "Scammer Finder" application serves as our personal guardian against online threats. I believe everyone deserves a secure and trustworthy online experience. By using this application, we take control of your digital interactions, safeguarding ourselves and contributing to the collective resilience against scams. Empower ourselves, protect our community, and join us in building a safer online future. Your vigilance matters.

## Methodology:

- Android Development:
  - Language: Java
- iOS Development:
  - Language: Swift
- Admin Panel:
  - Technologies: HTML, CSS, JavaScript, PHP
- REST API:
  - PHP
- Database:
  - MySQL

## Modules:

- Admin:
  - Admin can add, delete, update data.
  - Admin can check weekly, monthly and yearly user submitted scammer reports.
  - Admin can review user added scammer data.
  - Admin can also take legal action against users who added fake data.
- User:
  - Users can create a new account, verify account by using their phone number.
  - Users can add scammer data (Name, Image, Address, Online Identification).
  - Users can also modify, delete their added data.
  - Users can also upload community posts on the application.

## Application:

The "Scammer Finder" application helps users verify transactions, websites, and social media profiles, empowering them to avoid scams and contribute to a safer online community. This system will mainly be used by the smartphone users.

## Impact on Society:

Overall, the "Scammer Finder" mobile application has the potential to create a positive societal impact by enhancing online security, reducing financial vulnerabilities, and promoting a more trustworthy digital environment.

## Conclusion:

In closing, the "Scammer Finder" mobile application is a dedicated effort to empower users in identifying and avoiding online scams. By fostering collaboration, sharing experiences, and providing innovative tools, we aim to contribute to a safer digital community. Join us in this mission as we collectively strive for a more secure online environment.

## References:

1. Truecaller: Get Real Caller ID (13.49.11), Truecaller. Accessed: 10, Jan 2024. [Online]. Available: <https://play.google.com/store/apps/details?id=com.truecaller>

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