Project Plan Presentation
Documenting Academic Harassment

The Capstone Experience

Team Targets’ Tip

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Project Sponsor Overview

Targets’ Tip

• Based in Okemos Michigan

• Co-founded by an Assistant Professor at MSU

• Foster a safe academic environment

• Ensure that targets of academic harassment have access to resources for reporting and help

• Gather data to identify problems within institutions globally
Project Functional Specifications

- Incidents of academic harassment often go unreported or forgotten
- Users will have a safe and secure platform to document their personal experiences
- Stores evidence and details of each incident
- Reports and incidents will be categorized for both users and admins in a concise dashboard
- Data can be filtered by type of harassment, frequency, location and behaviors
Project Design Specifications

• There are 2 kinds of users – subscribers and admins

• The targets tip mobile/web app can be used by subscribers to submit reports and view their report history/summaries

• The targets tip admin portal can be used by admins to view the number of subscribers and aggregate data on the types of harassment, frequency, location, etc.
Screen Mockup: Login & Signup iOS
Screen Mockup: Submit Report Page

Android
Screen Mockup: Homepage Web
Screen Mockup: Homepage iOS
Screen Mockup: Admin Portal
Project Technical Specifications

• Flutter is used to create the front end for both the mobile and web applications
• Dart is the programming language used for Flutter
• Firebase Authentication is used in order to have a secure authentication method
• Firestore Databases will be used for storing any user related or generated data
• Firebase Storage will be used in order to store and user content, such as images
Project System Architecture

Users
- Web
  - Android
  - iOS

Back-end
- Firebase
  - Authentication
  - Firestore Database

Front-end
- Flutter
  - Dart

Admin
- Web
  - Android
  - iOS
Project System Components

• Hardware Platforms
  ▪ iOS
  ▪ Android
  ▪ Windows
  ▪ macOS

• Software Platforms / Technologies
  ▪ XCode
  ▪ Android Studio
  ▪ Flutter
  ▪ Firebase
Project Risks

• Risk 1
  ▪ Unsure if Flutter is the right frameworks for our applications
  ▪ Research into different frameworks for creating cross platform applications

• Risk 2
  ▪ Making a fast database without spending money
  ▪ Talk to client about options and concerns

• Risk 3
  ▪ Fluid responsiveness between web/mobile applications
  ▪ Creating different styles and layouts for different devices

• Risk 4
  ▪ Not familiar with authentication forms
  ▪ Research authentication methods online (OAuth, FirebaseAuth, etc.)
Questions?