Project Plan Presentation
Sharing Advice on Academic Harassment
The Capstone Experience
Targets’ Tip
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Project Sponsor Overview

- Currently an Assistant Professor at the Department of Radiology and Precision Health Program
- Studied at several universities and saw the issue of academic harassment/experienced it firsthand
- Wanted to research the causes
- Co-founded a non-profit organization called Academic Parity Movement
- Over 10,000 emails saying survivors want to help
Project Functional Specifications

• No easily accessible and trustable resources available to targets of academic harassment
• Targets, survivors, and professional advisors can create accounts
• Subscribers are matched and able to chat
• Severe lack of data available for those working to make academia a safer space
• Collects instance data to create a meaningful report for administrators
Project Design Specifications

• Uniform user interface across web, IOS, and Android applications
• Personalized matching of targets and supporters
• Chat feature between targets and supporters
• Ratings on supporters
• Customizable/filterable administrator dashboard for building reports
Screen Mockup: List of supporters page
Screen Mockup: Mobile view of supporters
Screen Mockup: Supporter profile page

Dr. Alfred Bellows

Description
Hello, I'm Dr. Bellows, a professional psychiatrist who specializes in academic discrimination, abuse of power, and sexual harassment. I graduated from University of Michigan and have been helping people in my own private practice for 4 years now. I'm hoping to use this platform to reach people and provide them the psychological help they need to grow past their traumatic experiences.

Rating
186 out of 200 positive reviews (93%)

You've interacted with this supporter, would you like to leave a rating? 🌟 👎
Screen Mockup: Mobile view of supporter profile
Screen Mockup: List of targets page
Screen Mockup: Inbox page
Screen Mockup: Inbox page mobile view
Screen Mockup: Administrator dashboard
Project Technical Specifications

• Utilizes an SDK called Flutter
• Uses a native language called Dart
• Utilizes Google Firebase for inter-device communication
Project System Architecture

- Flutter
- Dart

- iOS
- Android
- Web App

- Google Firebase With built in security
- Google Firebase Database Technology
- Google Firebase Cloud Messaging
Project System Components

• Hardware Platforms
  ▪ Android
  ▪ IOS
  ▪ Web

• Software Platforms / Technologies
  ▪ Xcode
  ▪ Android Studio/Visual Studio
  ▪ Flutter SDK
  ▪ Google Firebase
  ▪ Google Firebase Cloud Messaging
Project Risks

• Developing a user-friendly UI design
  ▪ Needs to be easy and intuitive to use
  ▪ Create prototypes and share them with the client
• Keeping user data safe and secure
  ▪ Imperative that information from harassment reports is secure
  ▪ Encrypt data when it is uploaded and decrypt when it is queried
• Managing development on three platforms
  ▪ Must be available on IOS, Android, and web platform
  ▪ Learn and work with Flutter to develop one UI
• Open-source software licensing
  ▪ Use Flutter to keep UI consistent
  ▪ Acquire proper licensing and acknowledgment in the README
Questions?