# MICHIGAN STATE UNIVERSITY Project Plan Presentation Sharing Advice on Academic Harassment

#### The Capstone Experience

#### Targets' Tip

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From Students... ...to Professionals

# **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

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Targets' Tip	About Us	Sign In/Sign Out	View Available Supp	oorters Inbox	Logger	d in as: spadeauste	re27
	Find Sur	aport					
	(Q Search	Type of Help	+ Institution	Protess	onal Hatp Only	Search	
	1	Dr. Alfred Bellows Helio, I'm Dr. Bellows, a profe specializes in academic disc		Rating 186 out of 200 positive reviews (93%)		Contact Now	
		nettleDomain Survivor of verbal harasamer Current Botany major at Way		Rating 70 out of 75 positive reviews (93%)		Contact Now	
	K	Ark549 Survivor of power imbalance Chemistry undergrad at MSU		Rating 63 out of 70 positive reviews (90%)		Contact Now	
	112	Marianne Bower Esq. Legal advisor based in WI Graduated from UDC		Rating 85 out of 100 positive reviews (85%)		Contact Now	
		Charlie Dupont Official Ombudsman for East I've been serving the commu		Rating 62 out of 65 positive reviews (95%)		Contact Now	

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#### Screen Mockup: Mobile view of supporters



#### Screen Mockup: Supporter profile page

Targets' Tip	About Us	Sign In/Sign Out	View Available Supporters	Inbox	Logged in as: spade	austere27
	Dr. Alfre	d 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.		5		
	Rating 186 out of 20	0 positive reviews (93%)				
	You've interac	cted with this supporter, wo	uld you like to leave a rating?	491		

#### Screen Mockup: Mobile view of supporter profile



# Screen Mockup: List of targets page

Targets' Tip	About Us Sign In/Sign Out View Contacts Inbox Logged In as: Dr. Alfred	Bellows
	View Contacts	
	spadeaustere27 Hello, I've been the victim of harassment in the labs at university. I've been discredited for the amount of work I've put in by my supervisor. While I'm pursuing legal action, I would like to work through the traums caused by	Accept
	jekyllandhyde I hope this message finds you well. I'm looking for psychiatric help after very poor treatment in a management position and it seemed like you could help me.	Accept
	comet93 I'm looking for legal advice for building a discrimination case against my workplace at university. Please let me know if you can assist in any way.	Accept
	legendary#99 I've been dealing with discrimination from coworkers for a while now and was wondering what steps I could start to take. I don't know how to deal with the situation and could really use some help.	Accept
	TheMollusk I'm looking for psychological heip after a very tumultuous time during my undergrad. I have been sexually harassed multiple times and also denied an internship due to my gender. I would greatly appreciate any assistance you can.	Accept

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# Screen Mockup: Inbox page

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Targets' Tip	About Us	Sign In/Sign Out	View Available Supporters	Inbox	Logged in as: Dr. Alfred Bello
	Inbox				
	P-				
	Recent	Pinned	Sent		
		nted to thank you for all of the re	sources you given me over the past week. It's a caused because of everything that happene		
		and a second second second	a cause second of erary and out support	a. : nosio iere io io	
		dandNinetySixEggs or replying to my original messa	ge. I'm very desperate for your advice on what	to do next after eve	erything.
	it's been a to	ugh couple of weeks for me all	things considered. I know that things will get b	etter eventually but	itte a differ di
					ir s a dmicuit V
	spadeauster				
	spadeauster I was wonder	ring if we could talk about resou	rces for overcoming the trauma I experienced treatment and courses of action. I'm complet	while working in th	e academy labs.
	spadeauster I was wonder Hopefully you	ring if we could talk about resou u have some advice for possible		while working in th	e academy labs.
	spadeauster I was wonder Hopefully you Jekyllandhyd	ring if we could talk about resou u have some advice for possible		while working in th	e academy labs.
	spadeauster I was wonder Hopefully you Jekyllandhyd	ring if we could talk about resou u have some advice for possible de		while working in th	e academy labs.
	spadeauster I was wonder Hopefully you jekyllandhyo Thank you ag tangerineMe	ring if we could talk about resou u have some advice for possible de gain for chatting with me!		while working in the	e academy labs.

#### Screen Mockup: Inbox page mobile view



#### Screen Mockup: Administrator dashboard

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Targets' Tip Admin Access	Validate Accounts	Remove Account	View Data Analytics
Data Analytics Q licentity Harassment Type	Wayne State University      Export to	POF Search	
Harassment Reports by Institution	Reports by Type	Custom Criter	a Report
	,		
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# **Project Technical Specifications**

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

# **Project System Architecture**



The Capstone Experience

# **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?**

