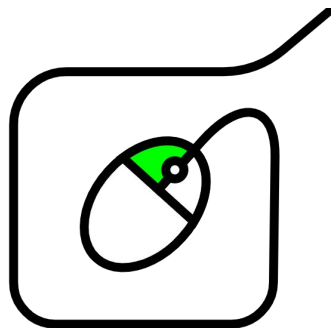


# GeekSurvey

Design Review #1

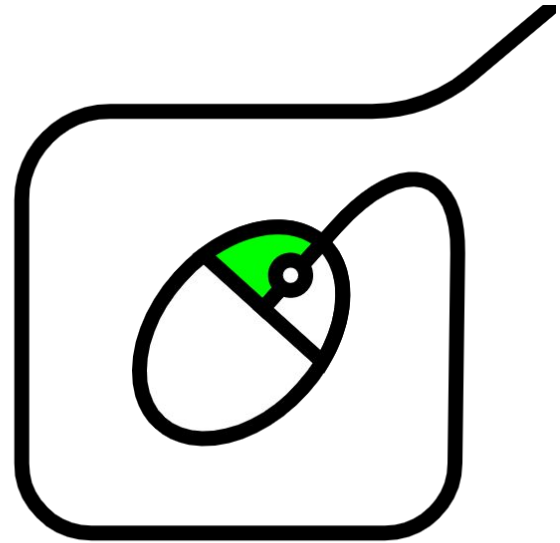


SuperGeeks

Tim Giroux (Team Lead), Kyle Austria, Pengfei Liu, Gustavo Valencia

# 1. Introduction

- Mentor: Felicity Escarzaga
  
- Clients:
  - Dr. Marco Gerosa
  - Dr. Igor Steinmacher



**SuperGeeks**

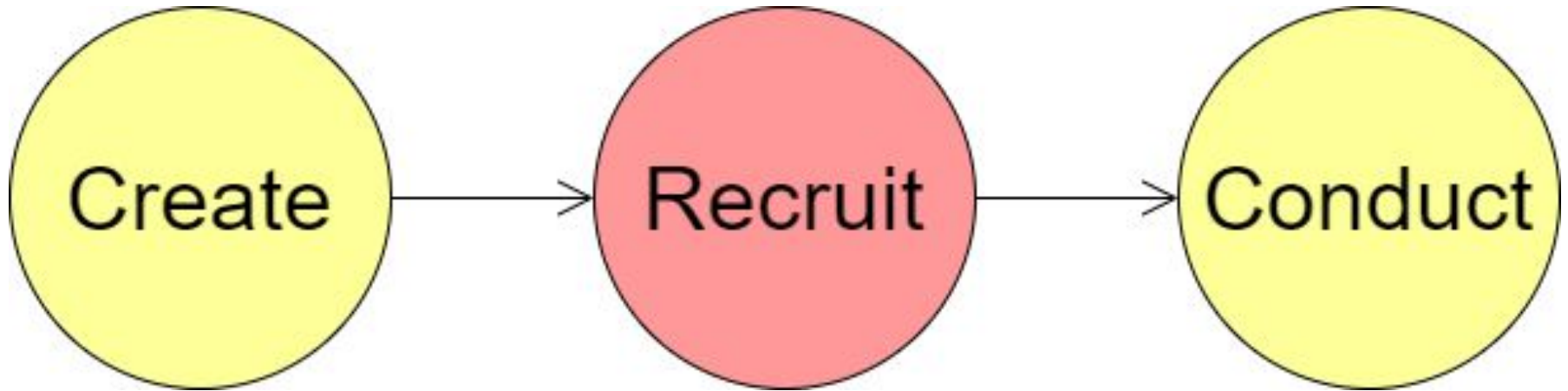
## 2.1 Problem Statement

- Huge complex business
- Research vital to success
- Insights useful to advancement of modern industries
- Acquiring data requires participants



## 2.2 Problem Statement

- Difficulty with recruitment
- Current methods do not work



**Figure 1: Client's current business process**

## 2.3 Problem Statement

- Do not satisfy recruitment requirements
- Amazon Mechanical Turk and Prolific.co are limited



## 3.1 Solution Overview

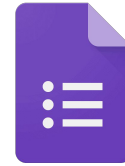
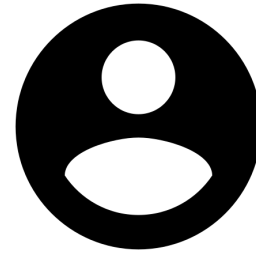


**Figure 2: Improved business process**

## 3.2 Solution Overview

### Notable Features to be Implemented

- Researcher Accounts
- Participant Accounts
- Linking to external survey platforms and tracking
- GitHub Profile integration

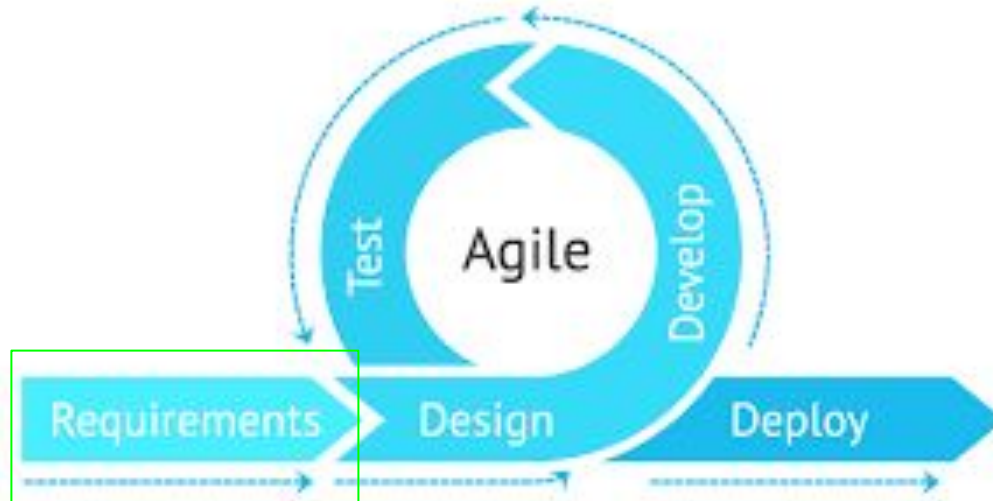


Google Forms



## 4. Requirements Acquisition

- Project Proposal Document
- Regular E-Mail Communication
- Virtual or In-Person Meetings as needed





# 5.1 Requirements

## Key Features:

- Researcher Accounts
- Participant Accounts
- Linking to external survey platforms and tracking
- GitHub Profile integration



## 5.2 Requirements - Functional

- **Studies**
  - Invitation link
    - Landing Page
- **Users**
  - Researchers, Participants
- **Administrators**
  - Manage all Studies and Users



## 5.3 Requirements - Other

- Non-Functional:
  - Accessibility
  - Usability
- Environmental:
  - Dependencies
  - Standards



# 6.1 Challenges and Feasibility

- Main Challenge Outline
  - Web hosting
    - NAUITS Podman (container)
  - Survey platforms
    - Google Forms
  - Web framework
    - Django
  - Database
    - PostgreSQL
- Feasibility Studies/Demos



## 6.2 Risks

### Overview of Risks

- Redirect failure in surveys
- Survey loss in database
- Spam



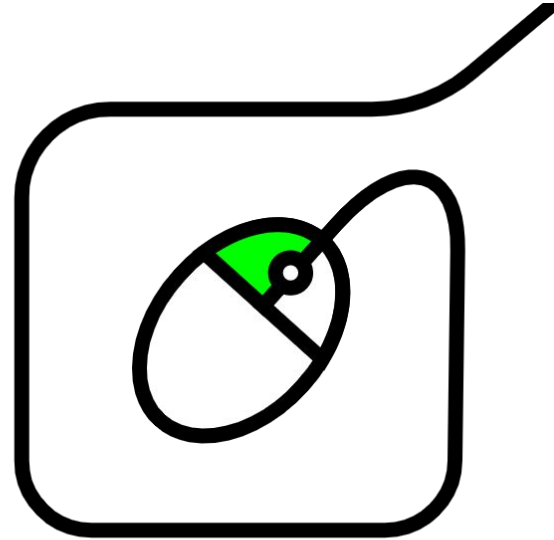
# 7. Schedule

SuperGeeks	12/13	12/18	12/26	1/3	1/11	1/19	1/27	2/4	2/12	2/20	2/28	3/8						
	M	W	F	M	W	F	M	W	F	M	W	F	M	W	F	M	W	F
TASK																		
1. Home Page	█	█	█	█														
2. User Account Creation				█	█	█	█	█										
3. Study Creation							█	█	█	█	█							
4. Study Discovery								█	█	█	█	█						
5. Study Completion										█	█	█	█					
6. Admin Menu														█	█	█	█	

**FINALS WEEK**

## 8. Conclusion

- Solving Research Coordination
- Competitors prove demand
- GeekSurvey is open source



Thank You

