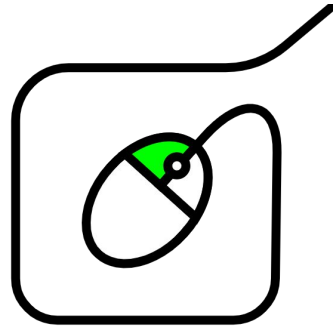# GeekSurvey

Design Review #2

SuperGeeks

Tim Giroux, Kyle Austria, Pengfei Liu, Gustavo Valencia

1. Introduction

- Mentor: Felicity Escarzaga

- Clients:

    Dr. Marco Gerosa   Dr. Igor Steinmacher

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
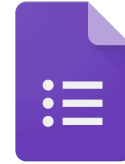
3.1 Solution Overview

Figure 2: Improved business process

3.2 Solution Overview

Notable Features to be Implemented

- Researcher View
- Participant View
- Linking to external survey platforms and tracking
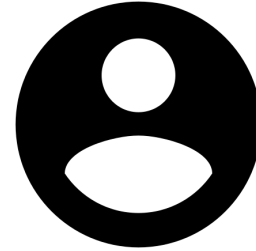
Google Forms

3.3 Solution Overview

Notable Features to be Implemented

- GitHub Profile integration
- Study Funding by Researchers
- Compensation for Participants
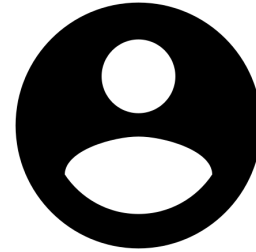
4.1 Requirements Review: Requirements Acquisition

- Project Proposal Document
- Regular E-Mail Communication
- Virtual Meetings at least Bi-Weekly
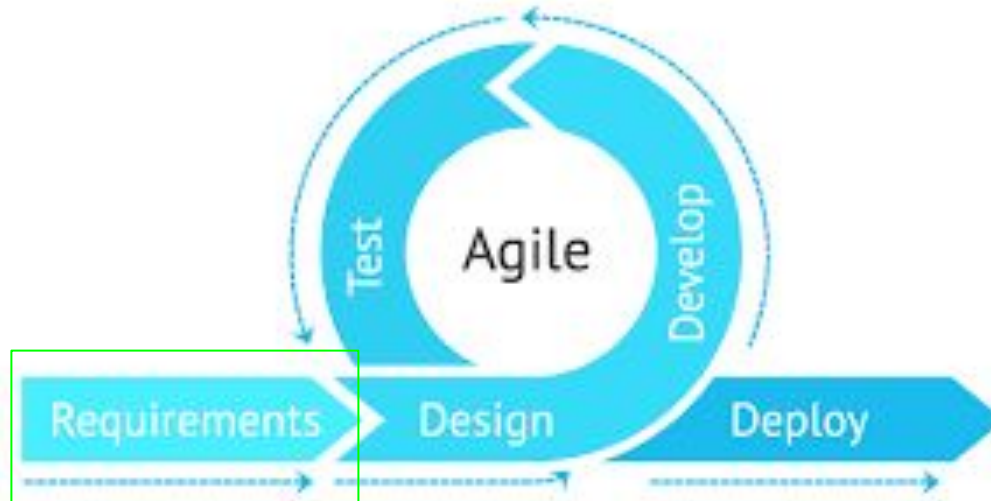
4.2 Requirements Review: Requirements

Key Features:

- Researcher View
- Participant View
- Linking to external survey platforms and tracking
- GitHub Profile integration
- Admin Panel
- Researcher/Participant Payments

5.1 Implementation Overview

5.2 Implementation Overview

6.1 Implementation Details

6.2 Implementation Details

Study Form:

Survey URL*

https://forms.gle/8W7kfu

Minimum Age for Participants

0

Maximum Age for Participants

150

Minimum Years of Experience

0

Maximum Years of Experience

150

Required Education

Associate's Degree (A.A., A.S., etc.)   ⌄

Required Occupation

Front-end Developer   ⌄

Required Race / Ethnicity

⌄

Required Gender

⌄

Profile Form:

Age*

22

Years of experience*

4

Level of education*

Bachelor's Degree (B.A., B.S., B.Eng., etc.)   ⌄

Occupation*

Student   ⌄

Country of origin*

United States of America   ⌄

Current location*

United States of America   ⌄

Race and ethnicity*

White or of European Descent   ⌄

Open source experience*

Yes ⌄

Gender*

Man   ⌄

7.1 Challenges and Resolutions

- Enrollment Criteria
  - Needs to match fields in the profile
  - Needs to be customizable

Custom Fields

Occupation
Ethnicity
Gender

Profile	Study
(Required)	(Optional)
Occupation	Occupation
Ethnicity	Ethnicity
Gender	Gender
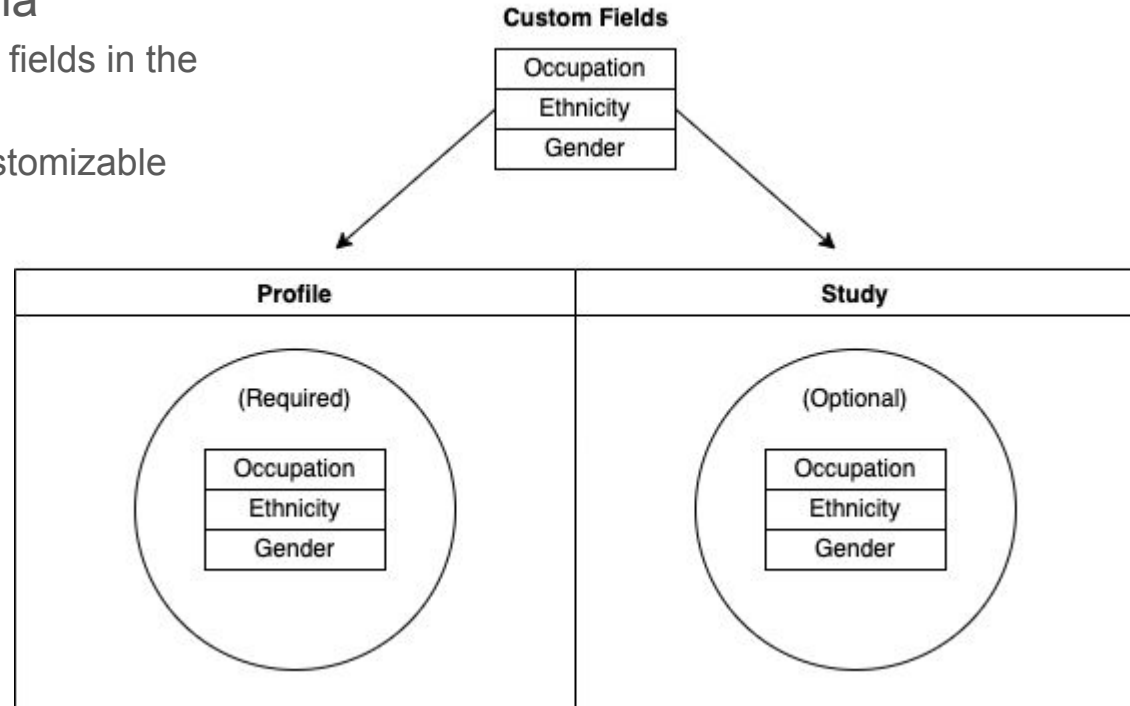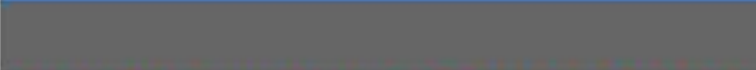
7.2 Challenges and Resolutions

- Payments
  - Legal and business issues with deployment
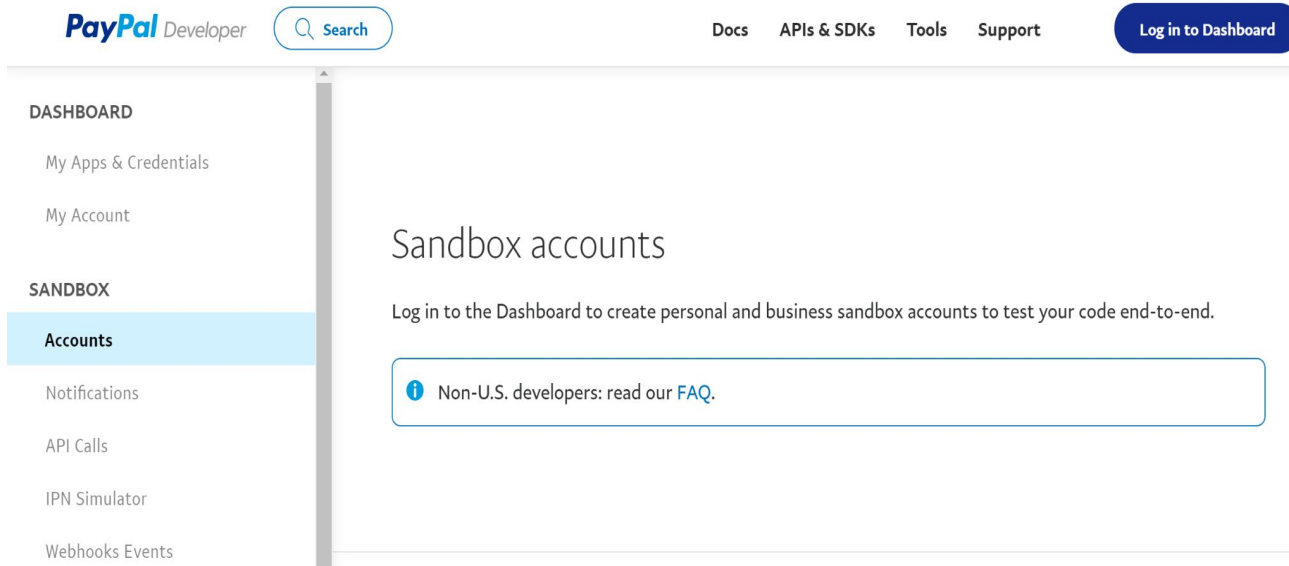
8.1 Schedule

Legend	
Done	
TODO	
Due	
Winter Break	
Spring Break	
Now Line (NL)	
Class Deliverables	*__Red Text and Italicized and Bolded__*

Sprint/Class Tasks:	Sprint User Stories:	Week of:	12/13/21	12/20/21	12/27/21	1/3/22	1/10/22	1/17/22	1/24/22	1/31/22	2/7/22	2/14/22	2/21/22	NL	2/28/22	3/7/22	3/14/22
1. Home Page	1.1 I can access a styled homepage for GeekSurvey		█	█													
	1.2 I can navigate the web application from the home page		█	█													
2. User Account Creation	2.1 I can sign up, sign in, and sign out					█	█	█									
	2.2 I can edit my profile					█	█	█									
	2.3 I can view my profile					█	█	█									
	2.4 My profile contains all necessary information					█	█	█									
	2.4.1 Age					█	█	█									
	2.4.2 Level of Education					█	█	█									
	2.4.3 Balance (USD)					█	█	█									
	2.4.3.1 Balance should not be editable by the user					█	█	█									
	2.4.4 Years of Professional Experience					█	█	█									
	2.4.5 Occupation					█	█	█									
Communication Memo						█	█										
Software Design Document Draft								█	█								
3. Study Creation	3.1 When logged in, I can create a study								█	█							
	3.2 I can view a study I previously created								█	█							
	3.2.1 A public landing page for every study on the site. accessible by unique URL								█	█							
	3.3 I can edit a study I previously created								█	█							
	3.4 The study contains a title and description								█	█							
	3.5 The study contains a creation date and expiry date								█	█							
	3.6 The study contains a list of enrolled accounts								█	█							
	3.7 The study contains enrollment criteria								█	█							
	3.8 Valid participants can enroll in the study								█	█							
	3.9 Invalid participants cannot enroll in the study								█	█							
	3.10 The study contains a balance (USD)								█	█							
	3.11 The study contains a payout amount (USD)								█	█							
	3.12 The study contains a completion code and external survey link								█	█							
Software Design Document Final											█	█					
Peer Evaluation #1										█	█						

	Week of:	12/13/21	12/20/21	12/27/21	1/3/22	1/10/22	1/17/22	1/24/22	1/31/22	2/7/22	2/14/22	2/21/22	NL	2/28/22	3/7/22	3/14/22
4. Study Discovery	4.1 I can see a web page with a list of Studies															
	4.1.1 The web page only shows me Studies for which I am eligible for enrollment									green	green					
	4.1.2 The web page only shows me Studies which have not expired									green	green					
	4.2 I can click on a Study to go to its landing page									green	green					
	4.3 I can receive email notifications when a Study is created									green	green					
	4.3.1 I only receive study notifications if I'm eligible for the study									green	green					
5. Study Completion	5.1 The study contains a list of accounts who have completed it								green							
	5.2 The study adds users to this list when they enter the completion code							green								
UGRADS Registration																
6. Admin Menu	6.1 I can view Accounts and Profiles from the admin menu										green					
	6.2 I can edit Accounts and Profiles from the admin menu									green						
	6.3 I can view Studies from the admin menu									green						
	6.4 I can edit Studies from the admin menu									green						
	6.5 I can log into the admin menu with a secure password				green											
	6.6 I can create a working admin account upon deployment													orange	red	
	6.6.1 Documentation													orange	red	
Design Review II Presentation													orange	red		
7. External Payments	7.1 GeekSurvey's can send and receive funds through an external payment system											green		green	green	
	7.2 I can fund my geeksurvey account											green		green	green	
	7.3 I can fund my study from my geeksurvey account											green		green	green	
	7.4 My study can automatically update balances for completing participants											green		green	green	
	7.5 I can cash out my balance from my study to my geeksurvey account											green		green	green	
	7.6 I can cash out my balance from my geeksurvey account											green		green	green	
8. CRUNCH	8.1 I can delete studies													green	green	
	8.2 I can customize my study's expiration date													orange	red	
	8.3 I can set a maximum number of participants in a study													orange	red	
	8.3.1 Participants cannot enroll when the maximum is reached													orange	red	
	8.4 I can remove participants who are enrolled in my study													orange	red	
	8.5 I can approve or deny compensation for participants who completed my study													orange	red	
	8.6 I can opt in or out of email notifications (opt out by default)													orange	red	

9. Conclusion

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