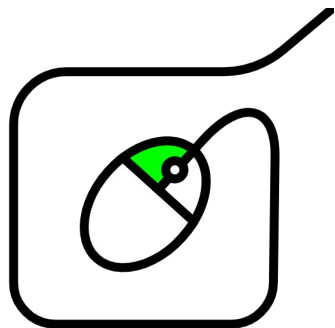


GeekSurvey

Design Review #3



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

- Large and complex business
- Research is essential to success
- Insights are valuable to modern industries
- Gathering 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. Solution Overview



Figure 2: Improved business process


4. Requirements Review

Key Features:


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



5.1 Architecture and Implementation Review



Home Profile Research Participate

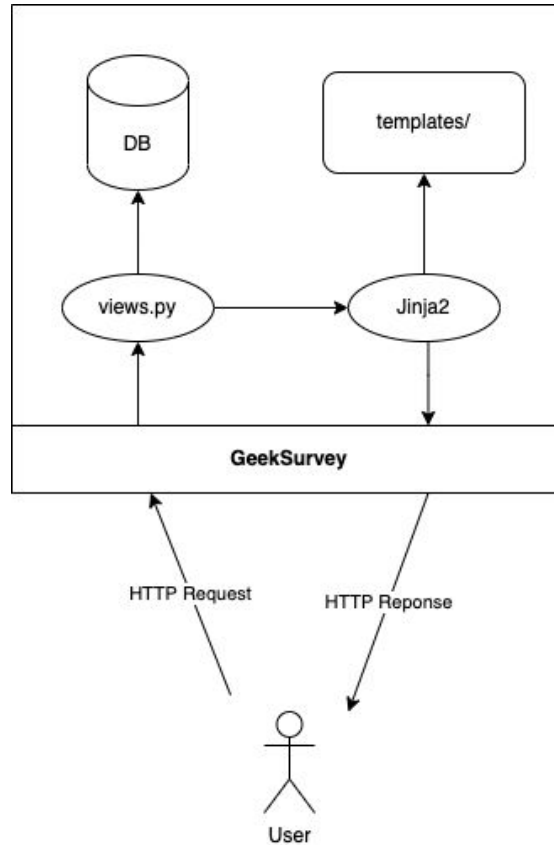


Revolutionizing Software Engineering Research

Conduct and participate in software engineering research studies with GeekSurvey, a platform that solves the researcher-participant coordination problem!

[Get Started](#) [Learn More](#)

5.2 Architecture and Implementation Review



5.3 Architecture and Implementation Review

Study Form:

Survey URL*

Minimum Age for Participants

Maximum Age for Participants

Minimum Years of Experience

Maximum Years of Experience

Required Education

Required Occupation

Required Race / Ethnicity

Required Gender

Profile Form:

Age*

Years of experience*

Level of education*

Occupation*

Country of origin*


Current location*

Race and ethnicity*


Open source experience*

Gender*

6.1 Prototype Review



Home Profile Research Participate



Revolutionizing Software Engineering Research

Conduct and participate in software engineering research studies with GeekSurvey, a platform that solves the researcher-participant coordination problem!

[Get Started](#) [Learn More](#)

6.2 Prototype Review



Sign In

Please sign in with one of your existing third party accounts. Or, [sign up](#) for a example.com account and sign in below:

GitHub

Google

or

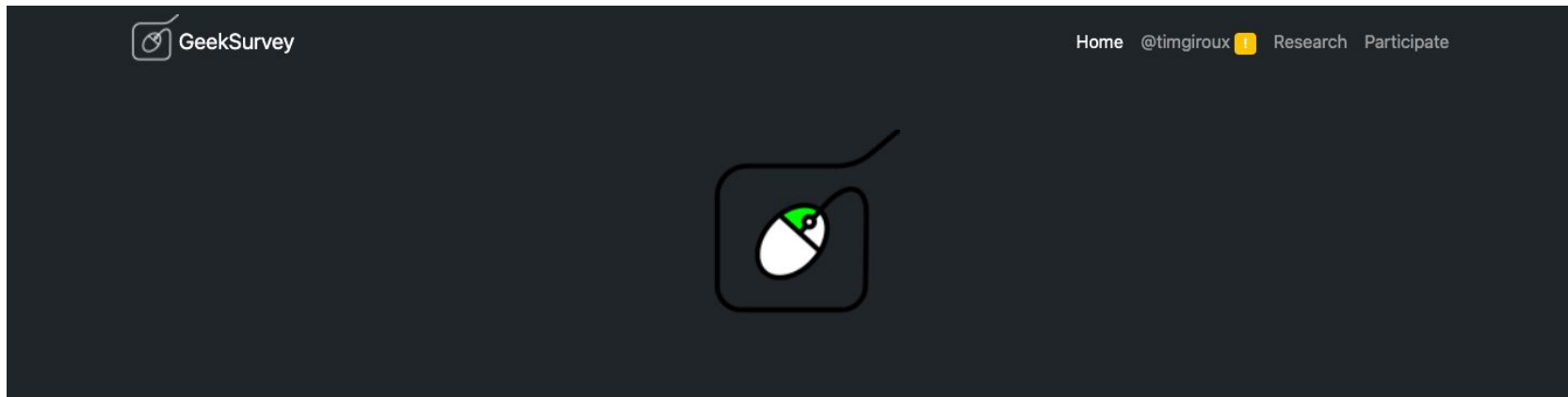
Username:

Password:

Remember Me:

[Forgot Password?](#)

6.3 Prototype Review



Customize your profile

Provide information about you and your skills! The more you customize your profile, the more studies you will be eligible for.

[Edit your profile](#)

Create research studies

Find quality participants by filling out our research study form with desired traits and inserting your external survey platform link.

[Create a study now](#)

Participate in studies

Make a difference by enrolling in studies that interest you! Receive compensation for your valuable time and responses.

[Start participating](#)

6.4 Prototype Review

Profile



timgiroux

timgiroux99@gmail.com

 Don't forget to complete your profile!

[View Full Profile](#)

[Complete Profile](#)

[Log Out](#)

Balance: \$0.00

[Add Funds](#)

[Remove Funds](#)

6.5 Prototype Review



GeekSurvey



Profile

timgiroux



Full Name:

Tim Giroux

Bio:

Student at NAU

Age:

22

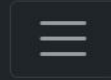
Gender:

Man

6.6 Prototype Review



GeekSurvey




Fund Profile

Pay \$125 to add \$100 to your account

Buy Now



6.7 Prototype Review

🛒 \$125.00 USD

Pay with PayPal

With a PayPal account, you're eligible for free return shipping, Purchase Protection, and more.

Show
[Log In](#)

Having trouble logging in?

or

[Pay with Debit or Credit Card](#)

Cancel and return to Test Store

English | Français | Español | 中文

6.8 Prototype Review

Profile



timgiroux

timgiroux99@gmail.com

Student at NAU

[View Profile](#) [Edit Profile](#) [Log Out](#)

Balance: \$100.00

[Add Funds](#) [Remove Funds](#)

6.9 Prototype Review



[Home](#) [@timgiroux](#) [Research](#) [Participate](#)

Research Dashboard

[Create a New Study](#)

Your Studies

Look's like there's nothing here!

6.10 Prototype Review



Study Form

Title*

Fruit Study

Expiry date*

04/25/2022



Description*

What is your favorite fruit?

Completion code*

bananaphone

Compensation
(USD)*

\$ 2.50

Maximum
Participants

51

Survey URL*

<https://forms.gle/8W7kfuCrbBAcGz8WA>

6.11 Prototype Review



[Home](#) [@timgiroux](#) [Research](#) [Participate](#)

Research Dashboard

[Create a New Study](#)

Your Studies

Fruit Study

What is your favorite fruit?

Balance: \$0.00

Enrolled: 0/51

Completed: 0/0

View

Edit

Funds

Participants

Delete

6.12 Prototype Review



Manage Study Funds

timgiroux \$100.00

Fruit Study \$0.00

Transfer from your account to your study

Amount (USD)*

[Submit](#)

TIP: Negative amounts will move from your study to your account.

6.13 Prototype Review

Your Studies

Fruit Study

What is your favorite fruit?

Balance: \$50.00

Enrolled: 0/51

Completed: 0/0

View

Edit

Funds

Participants

Delete

6.14 Prototype Review

Manage Study Participants

\$50.00 Fruit Study

C (completed) \$ (compensated)	Username	Actions
C	@timgiroux	Remove Approve \$2.50

TOTAL: 1/51

6.15 Prototype Review

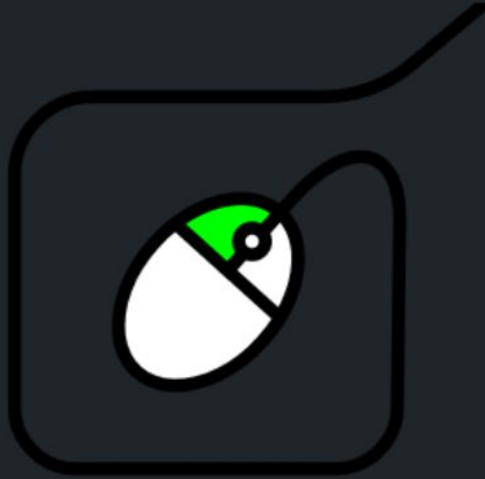
Manage Study Participants

\$47.5 Fruit Study

C (completed) \$ (compensated)	Username	Actions
C \$	@timgiroux	Remove

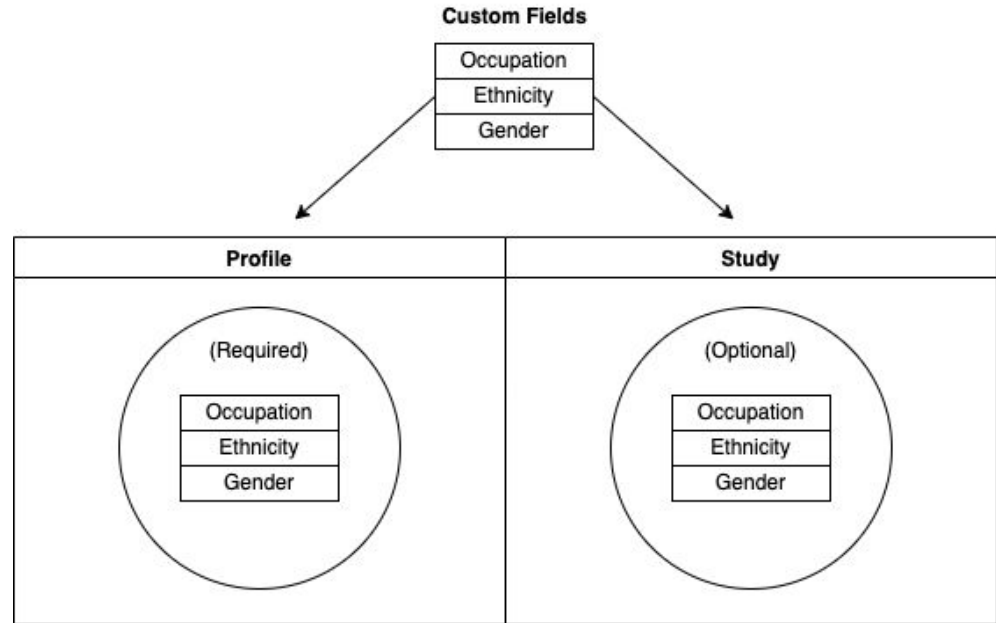
TOTAL: 1/51

6.16 Prototype Review



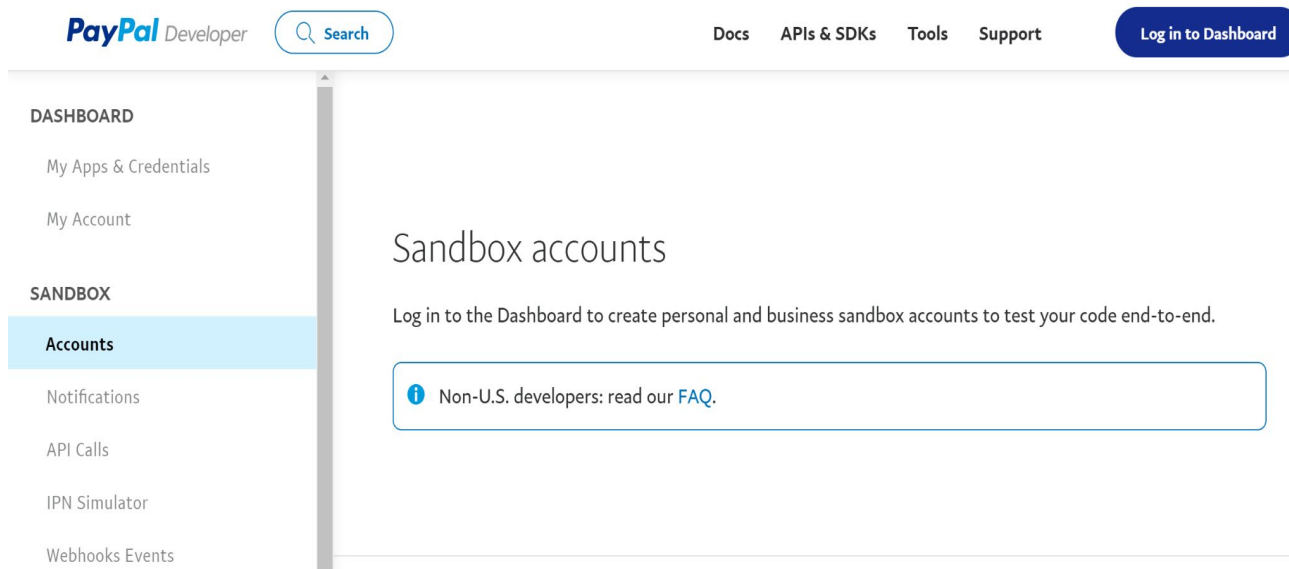
7.1 Challenges and Resolutions

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








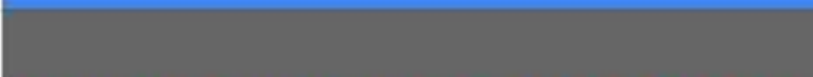
7.2 Challenges and Resolutions

- Payments
 - Legal and business issues with deployment



The screenshot shows the PayPal Developer dashboard. At the top, there is a navigation bar with the PayPal Developer logo, a search bar, and links for Docs, APIs & SDKs, Tools, and Support. A 'Log in to Dashboard' button is located in the top right corner. The left sidebar contains a menu with sections for DASHBOARD (My Apps & Credentials, My Account) and SANDBOX (Accounts, Notifications, API Calls, IPN Simulator, Webhooks Events). The 'Accounts' item is highlighted. The main content area is titled 'Sandbox accounts' and contains the text: 'Log in to the Dashboard to create personal and business sandbox accounts to test your code end-to-end.' Below this text is a callout box with an information icon and the text: 'Non-U.S. developers: read our [FAQ](#).'

8.1 Schedule

Legend	
Done	
TODO	
Due	
Winter Break	
Spring Break	
Now Line (NL)	
Class Deliverables	<i>Red Text and Italicized and Bolded</i>

9. Testing Plan

Unit Tests

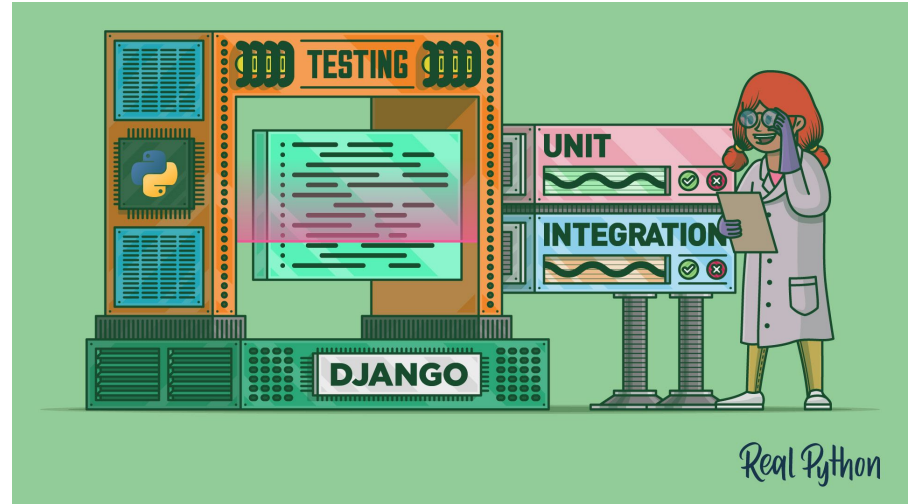
- The unittest standard Python library
- `can_enroll()`

Integration Tests

- Verify Google Forms and PayPal integration

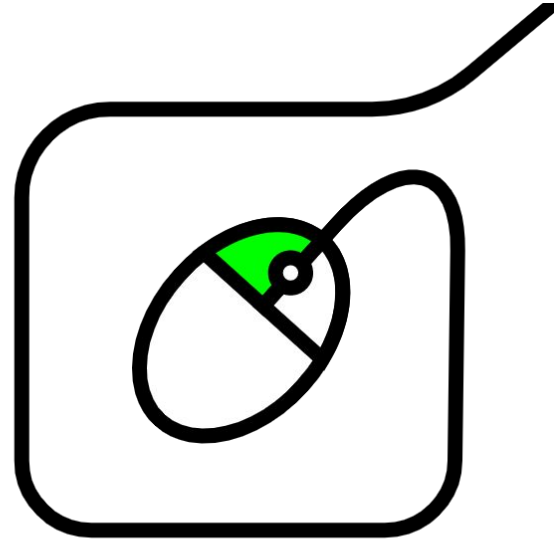
Usability Tests

- Provide feedback on UI and workflows



10. Conclusion

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



Thank You!

