

CSC 642 842 HCI Fall 2021

Phase 6:

Final implementation and evaluation

Project Name

Participaid

Slogan

Our goal is to help medical companies find participants for trials, and for participants to get paid for finished trials.

Team 1

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12/14/2021

Table of Contents

1 - Executive Summary	3
2 - Platforms and tools	4
3 - Screenshots	5
Office Worker Use Cases	13

1 - Executive Summary

In order to successfully launch a new drug out to the market, medical companies must rely on human participants to perform clinical trials for each specific drug. The process to find participants for certain trials is very time-consuming, and as each day goes by without the ability to test these new drugs, the potential profit will decrease. The decrease in potential profit isn't the only problem medical companies have to face, but in fact, it's the approval from the FDA. The faster they find participants, the potential profit will increase, and the higher chance to receive approval, if clinical trials are successful.

To help speed up the process, for the medical companies, in finding participants for their clinical trials, our team will create an application, allowing participants to search for trials, choose in which to participate, and to be paid for testing different types of drugs. Participants have the ability to browse around and sign up for different medical trials if they pass all the specified requirements listed for those trials.

For medical companies, they have the ability to upload various drug trials allowing them to find the right participants, once they fit the requirements of the trial. Each trial contains different procedures, so, therefore, medical companies can also upload images or videos to help give their participants a quick preview before they actually sign up for the trial.

2 - Platforms and tools

In order to deliver a responsive real-world application, our team will be mainly focusing on building desktop and mobile platforms versions of our application. Using the Figma design tool, we had transitioned our low fidelity designed wireframes and storyboard mockups to high fidelity by replacing black and white coloring from our low fidelity and reconfiguring it to our application color. (*see storyboard section for more details*)

3 - Screenshots

Student Use Case

- 1) Tim noticed on the front page, a section listing the payouts for each of the trials. When Tim noticed the “Latest Trials” section, He started to browse around and noticed one that pays well. He then proceeds to learn more about the trial.

The screenshot shows the Participapaid website interface. At the top, a teal header contains the Participapaid logo, navigation links (Home, Participate, Post), and a 'SIGN UP, IT'S FREE' button. Below the header is a search bar with a 'Recruiting' dropdown and a search icon. The main content area features a teal background with the text: 'Our goal is to help medical companies find participants for trials, and for participants to get paid for finished trials.' Below this text are two buttons: 'Submit Trials' and 'Apply Now'. To the right is an illustration of a person climbing a mountain. The 'Latest Trials' section is displayed below, featuring three trial listings with their respective payout amounts: \$50, \$170, and \$160.

\$50	\$170	\$160
das	Participants With Advanced Solid Tumors	Sasanlimab (PF-06801591, PD-1 Inhibitor) in Participants With Advanced Malignancies
dasdasd	Solid Tumor's Patients	Advanced Malignancies, Non-small-cell Lung Cancer
✓ dasd ✓ adasd	✓ 18 years and up ✓ Solid Tumor	
✗ adasd ✗ macdasd	✗ Non Solid Tumor Patients	

- 2) Tim now starts to read the descriptions of that trial, including all the legal information, legal disclosures, and the application rules for the specific trial. He sees that you must take an allergy test before being accepted to that trial.

Participants With Advanced Solid Tumors

The purpose of this first-in-patient, open label study is to determine the maximum tolerated dose and/or recommended dose for further study of solid tumors.

Legals

[Legals Information](#)
[Legals Disclosures](#)

Eligibility

✓ 18 years and up ✗ Non Solid Tumor Patients
✓ Solid Tumor
✓ Gender Neutral

Prerequisite

✓ none

Details

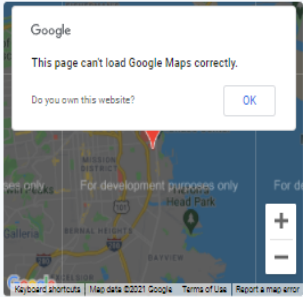
Participants: **Solid Tumor's Patients**
ID: **CP10250177**
Payout: **\$170**
Study Type: **Interventional**
Status: **Recruiting**
Start Date: **12/10/2021**
End Date: **03/15/2022**
Last Update: **10/11/2021**

[Apply Now!](#)

Google

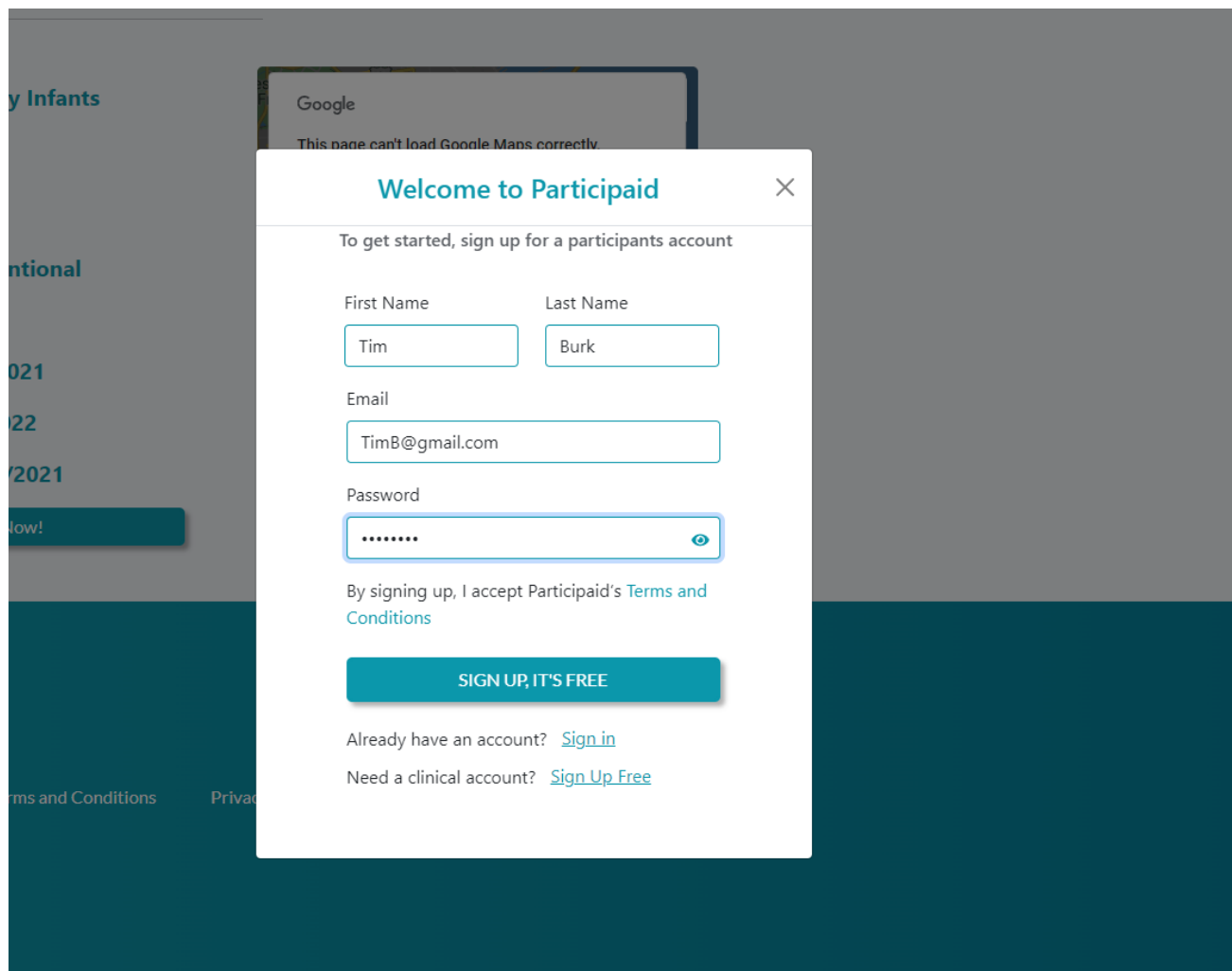
This page can't load Google Maps correctly.

Do you own this website? [OK](#)



- 3) After reading all the descriptions of that trial, including all the legal information, legal disclosures, and the application rules for that specific trial, and seeing how this trial fits his criteria because of the required allergy test. He is ready to apply for the trial.

Before Tim is able to apply for the trial, he will first proceed to sign up for a participant account using our lazy registrations. Shortly after he finishes signing up, he can then apply for the trial and wait for the medical company to choose them for any prerequisite.



The image shows a web application interface with a modal window for signing up. The modal is titled "Welcome to Participaid" and contains a form for creating a participant account. The form fields are: First Name (Tim), Last Name (Burk), Email (TimB@gmail.com), and Password (masked with dots). Below the form is a checkbox for accepting terms and conditions, and a large teal button labeled "SIGN UP, IT'S FREE". At the bottom, there are links for "Sign in" and "Sign Up Free". The background is a blurred screenshot of a website with text like "y Infants", "ntional", "021", "22", "2021", "low!", "ms and Conditions", and "Privac".

Welcome to Participaid ✕

To get started, sign up for a participants account

First Name:

Last Name:

Email:

Password:

By signing up, I accept Participaid's [Terms and Conditions](#)

SIGN UP, IT'S FREE

Already have an account? [Sign in](#)

Need a clinical account? [Sign Up Free](#)

The image shows a web application interface. At the top, there is a Google Maps error message: "Google This page can't load Google Maps correctly. Do you own this website? OK". Below this, a modal form titled "Apply For Trial" is displayed. The form contains the following fields and text:

When your application gets approved, the medical company for this trial will contact you via email to schedule an appointment for all necessary tests.

First Name: Tim
Last Name: Burk
Email: TimB@gmail.com

By applying, I have read this trials [Legal Informations](#) and [Legal Disclosures](#)

APPLY

At the bottom of the page, there are links for "Conditions" and "Privacy Policy".

- 4) Once Tim finishes applying for the trial, he will be able to take a look at his applied trial.

Applied Trials

A Study of PF-07260437 in Advanced or Metastatic Solid Tumors

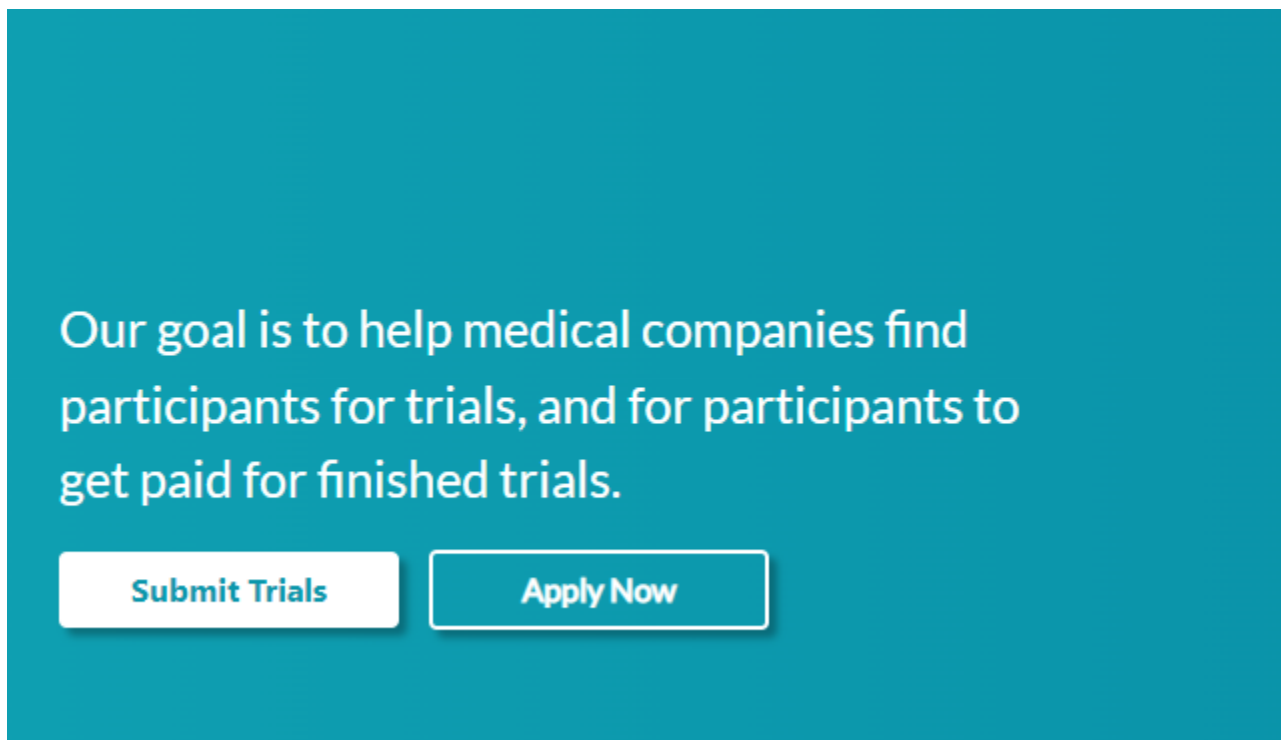
Participants: Ovarian Neoplasms, Endometrial Neoplasms, Breast Neoplasms

Description: A study to evaluate the safety, tolerability, pharmacokinetics (PK), pharmacodynamics (PD), and antitumor activity of PF-07260437

[Read More](#)

Medical Professionals

- 1) Allison is working at a pharmaceutical company. When she was working, she saw a lot of medical trials that were complicated medical usage and technical terms that made it difficult for applicants to participate. She wants the page to be easy to understand and accessible to a wide variety of participants. She understands most of the medical terms, but she is uncomfortable with any kind of technology that is complicated to use. She see our hero section, and see a button that allows her to submit a trial



- 2) Once Allison finishes inputting all of her form requirements, she is prompted to sign up for a clinical account, before she can proceed to submit her trial.

Schedule A Medical Trial

All fields with * are required.

Trial Title *

Long-term Safety and Efficacy Study for
Individuals Who Are Long Term Smokers

Participants *

Smokers

Description *

Trial Description

Who may participate *

Smoker, 18+ years, Gender Neutral

Who may not participate *

Non-smokers, 17 years and under

Any Prerequisite? *

Negative allergic test results

Trial's Location

Street Address *

Apt, Suite, Bldg

City, State *

Zipcode *

Payout *

50

Trial Status *

Select status



Study Type *

Select type



Start Date *

11/20/2021

End Date *

03/20/2022

* All trials must be reviewed and accepted
before scheduling.

* By submitting for review, I have agreed to
Terms and conditions.

Submit For Review

Welcome to Participaid ✕

To get started, sign up for a participants account

First Name Last Name

John Doe

Email

JohnDoe@health.gov

Password

By signing up, I accept Participaid's [Terms and Conditions](#)

SIGN UP, IT'S FREE

Already have an account? [Sign In](#)

Need a clinical account? [Sign Up Free](#)

ASDASDASDASD,ASDAS

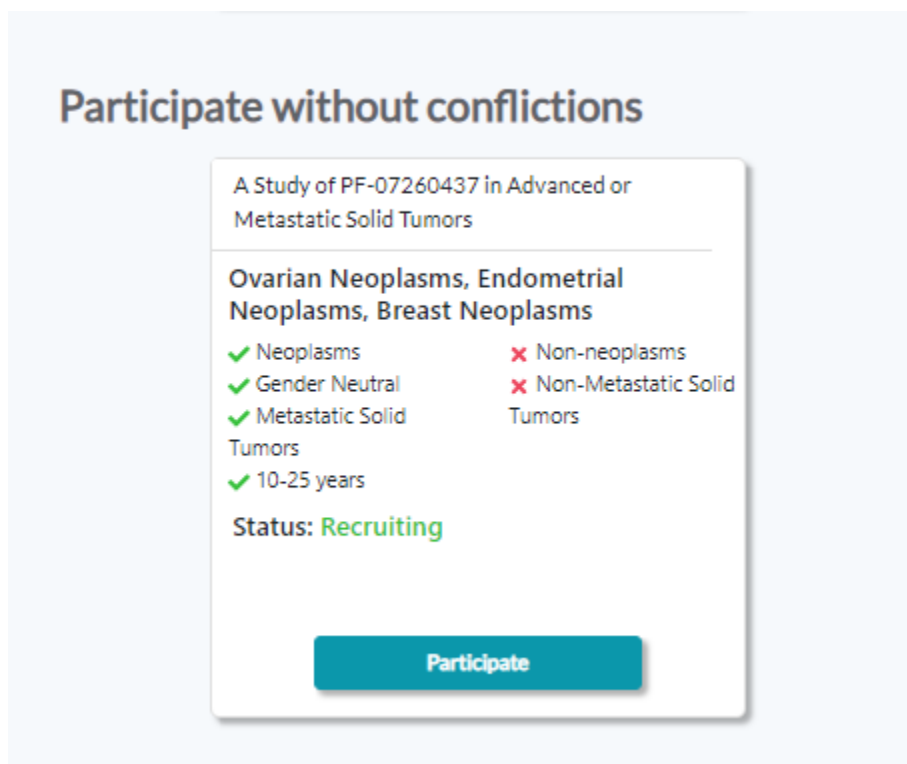
Any Prerequisite? *

ASDAS

Once the sign up finishes and when she submits her trial, and upon “approval” she will now she the trial on the front page in the “Latest Trials” section.

Office Worker Use Cases

- 1) Grant is a 9-5 office worker. He has had back pain for years but over-the-counter medicine stopped working for him. He was looking for the medicine and trial that worked for him all over online but most of the trial procedures conflicted with his work time frame. And he saw on the website some of the trails that he can participate in without conflict with his work.



- 2) He is looking for a page that describes the medical term simply to understand non-medical professionals.

A Study of PF-07260437 in Advanced or Metastatic Solid Tumors

A study to evaluate the safety, tolerability, pharmacokinetics (PK), pharmacodynamics (PD), and antitumor activity of PF-07260437

Legals

[Legals Information](#)

[Legals Disclosures](#)

Eligibility

- | | |
|---------------------------|-------------------------------|
| ✓ Neoplasms | ✗ Non-neoplasms |
| ✓ Gender Neutral | ✗ Non-Metastatic Solid Tumors |
| ✓ Metastatic Solid Tumors | |
| ✓ 10-25 years | |

Details

Participants: **Ovarian Neoplasms, Endometrial Neoplasms, Breast Neoplasms**

ID: **CFT10250117**

Payout: **\$70**

Study Type: **Interventional**

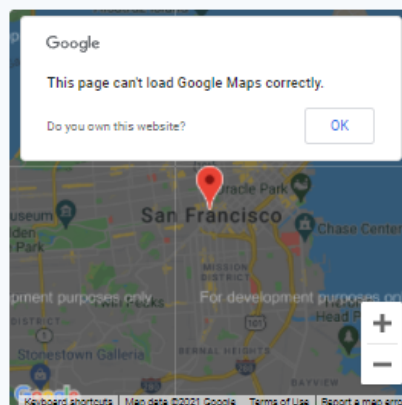
Status: **Recruiting**

Start Date: **12/01/2021**

End Date: **06/01/2022**

Last Update: **12/02/2021**

[Apply Now!](#)



- 3) If he found a webpage that does not conflict with the work schedule and simple term usage page he is ready to apply. Before Tim is able to apply for the trial, he will first proceed to sign up for a participant account using our lazy registrations. Shortly after he finishes signing up, he can then apply for the trial and wait for the medical company to choose them for any prerequisite.

lasms,
Breast

Welcome to Participaid



To get started, sign up for a participants account

First Name

Grant

Last Name

Sniper

Email

gsniper@army.gov

Password

.....



By signing up, I accept Participaid's [Terms and Conditions](#)

SIGN UP, IT'S FREE

Already have an account? [Sign in](#)

Need a clinical account? [Sign Up Free](#)

sms,
east

Google
This page can't load Google Maps correctly.

Apply For Trial

When your application gets approved, the medical company for this trial will contact you via email to schedule an appointment for all necessary tests.

First Name Last Name

Grant Sniper

Email

gsniper@army.gov

By applying, I have read this trials [Legal Informations](#) and [Legal Disclosures](#)

APPLY

- 4) Once Grant finishes applying for the trial, he will be able to lake a look at his applied trial.

Applied Trials

A Study of PF-07260437 in Advanced or Metastatic Solid Tumors

Participants: Ovarian Neoplasms, Endometrial Neoplasms, Breast Neoplasms

Description: A study to evaluate the safety, tolerability, pharmacokinetics (PK), pharmacodynamics (PD), and antitumor activity of PF-07260437

[Read More](#)

4 - URLs

Website Demo

[Participaid Demo](#)

Frameworks

[React-Bootstrap](#)

[Redux](#)

[React.js](#)

[Bootstrap](#)

5 - GitHub Repository

Github link: [CSC642Participaid](#)