# HCI : Milestone Project Report

## *Focal Point*



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## I.   Introduction

Oftentimes, businesses, companies, or institutions will need to give out surveys with rewards to the general public to gain information. However, we find that there are almost no websites where you can easily find and easily fill out a bunch of surveys from different businesses, companies, or institutions. Even if websites like these exist, we find that the rewards they offer are very uncertain. These problems that we found gave birth to the idea of a Focal Point.

Focal Point is a website that helps solve the problem above by collecting surveys from institutions that might need to put out surveys to gain specific information about their company from both customers and non-customers. By filling up the surveys available, our users will get points to collect and receive rewards. Our website is also a perfect place for people that want to get rewarded for filling out surveys, but face difficulties while doing so, such as getting non-consistent rewards or not even getting a reward like previously promised, or the threat of the website itself being unsafe/sketchy. Our website will provide a safe place to get consistent and clear rewards for filling in surveys in the form of Focal Points, which you can trade for vouchers that can be found in our shop.

## II.    Background

We first use [Canva](#) to design and do critical thinking for our website. Then we used Figma to create our website's digital wireframe. And for the final touch, we used JavaScript, CSS and also HTML for our website to interact with the users/ clients. We first found some errors within the code especially with JavaScript but we eventually figured our way out and made this website the best we can.

We heavily rely on HTML for the base concept of our website, then use css for the style margin and basically the UI/UX.

## III.    The goal of this project

Clarity is the main objective of this website, we want users to understand the way how our website mainly works and who our target markets are. The major purpose of our project and the website we are creating is to win the trust of small businesses who want to establish relationships with their clients with Focal Point users looking to earn rewards by filling out the surveys on the website. Here on our website, we provide secure information for both the firm and our users, such as their names, ages, addresses, and places of employment. We establish trust from consumers and clients (businesses) by awarding them with shopping vouchers; we do supply certain well-known or large retailers in fashion, food, and so on. And by earning those points, people will start to enjoy filling out forms for discount vouchers for certain shops available on our website.

**IV.    Poster**
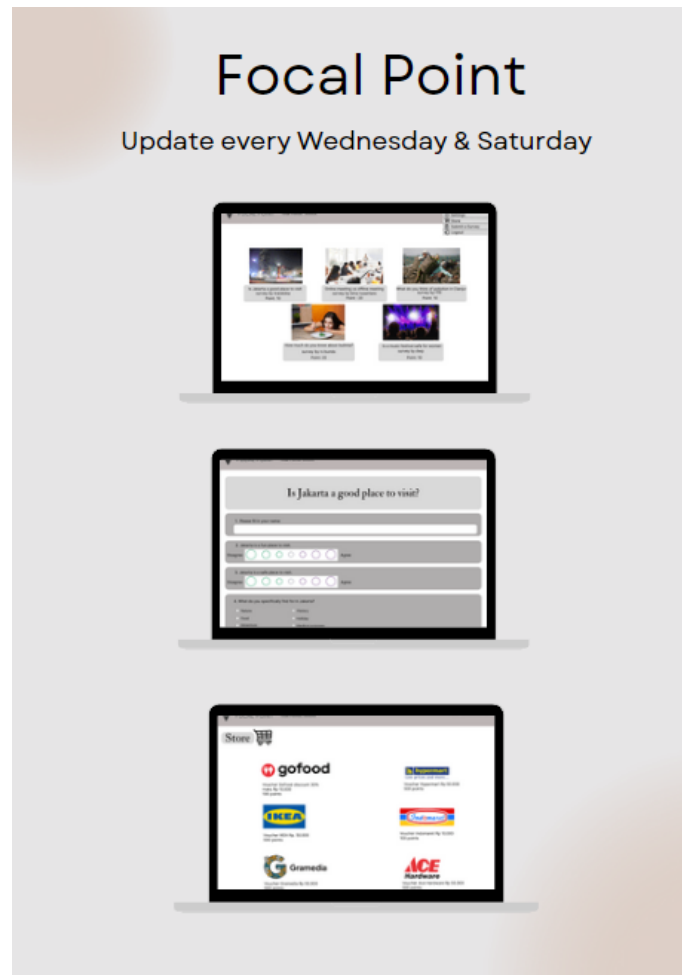
## V.  Inspired Related Work

For the website itself, our layout for the surveys is inspired by Google Forms. The color

scheme of the website is inspired by Instagram's color scheme. From how we see social

media today, people are most comfortable with Instagram because of its design and

layout. Social media platforms are now targeting users based on the experiences of their

users. As a result, we based our website on Instagram's color scheme and user interface.

First, we made sure that our website looked futuristic enough while still being simple

and straight to the point.

| No | Summary | Test Case | Results |
|---|---|---|---|
| 1 | User must fill in everything in the login prompt, if not they cannot close the page through the send button | 1. User fills in everything in the login prompt, and then click send<br>2. User does not fill in anything/does not completely fill everything, and then click send | 1. The login prompt will close<br>2. The login prompt won't close and the forms will have a red border |
| 2 | User can go the signup prompt from the login prompt through a link | 1. User clicks on the link under the send button | 1. User will go to the signup prompt |
| 3 | User must fill in everything in the signup prompt | 1. User fills in everything in the signup prompt, and then click send<br>2. User does not fill in anything/does not completely fill everything, and then click send | 1. The signup prompt will close<br>2. The signup prompt won't close and the forms will have a red border |
| 4 | User can only input the same password in both forms in the signup prompt | 1. User has different inputs for the password and confirm password form, and then click send<br>2. User has the same input for the password and | 1. The signup prompt won't close and the forms will have a red border<br>2. Signup prompt will close |

| | | confirm password form, and then click send | |
|---|---|---|---|
| 5 | The close button in the signup prompt and login prompt will close the prompt | 1. User clicks on the close button | 1. Login/Signup prompt will close |
| 6 | The design of the main page will change after users sends button | 1. User fills in signup/login form correctly | 1. The login button will change and the signup class will disappear |

## V. Challenges we faced

Akmal: I think personally, the biggest challenge I faced while doing this project is doing JavaScript, especially JQuery for the signup and login buttons. I have always struggled with JQuery, because it is an entirely new concept, unlike HTML and CSS where i atleast have some personal experience working with it, even though it's not much.

Tirza: Personally, the biggest challenge I face is when our team is facing an error. In the first place, we got many errors in JavaScript, especially when it comes to JQuery. But in the end, we can solve it by searching and doing some research. It is also not easy to establish our topic, but in the end we agreed to make Focal Point because there are not many appropriate places for a  survey.  We also faced many arguments in the design of the website, that is why our prototype is not the same as our final website.

Joanne: I would say the process of building the website was not easy; for the first few weeks, we struggled because we did not have any coding background. But the biggest challenge I've faced was building JQuery, as well as the errors and problems we made that cannot be undone. We might have had some arguments in between about our ideas and also the design of the website, but in the end, we found a solution together and made a better version of our website.

## VI. Improvements for the future

Even though we are very proud of Focal Point as a project, there are certainly improvements that can be made in the future. First and foremost is that most of the footer links are still not working, this is because we have not made those pages. Second, the survey and shop forms are not interactive yet. Thirdly, the navigation bar for the survey and shop forms still looks really bad. We hope to improve on that in the future.

## VII. Documentations

**Here is a picture of the first page of our website.**
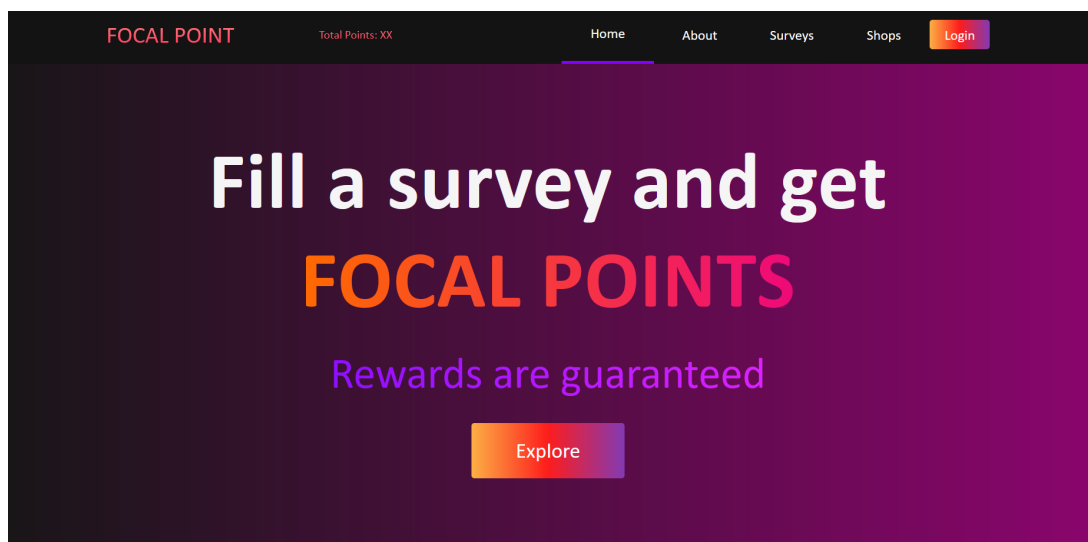
So on this first page, we can see that it is very simple, and there is only one goal on this page. Which is to make users click on the explore button and explore our website even further than what is on the surface. Getting to know our goals for creating this website, and allowing users to fully trust us and do the survey without worrying about their personal information getting violated. On the first page, users can access the Home page, About, Surveys, Shops, and Sign Up/Login.
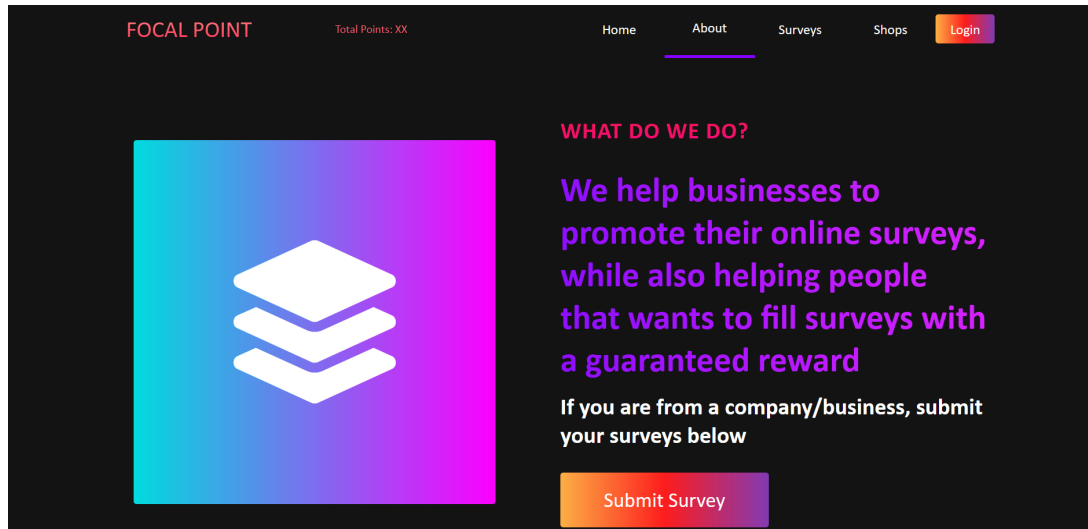


And when users click on the explore button, they will be directed to the about us page. But they can choose to either scroll down or just click the button. However, the link to submit the survey section does not exist because we have not added the page. Instead, a prompt will appear telling the user to contact us.
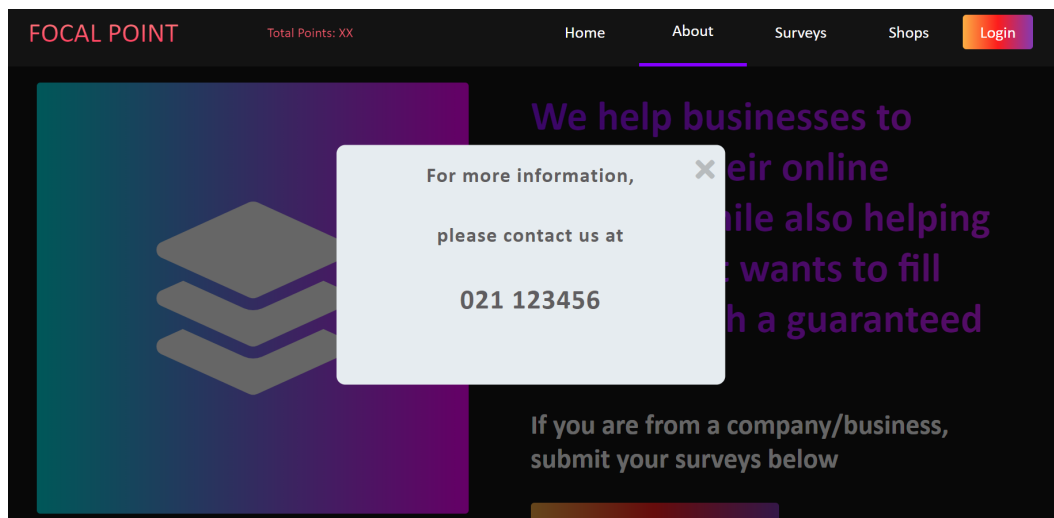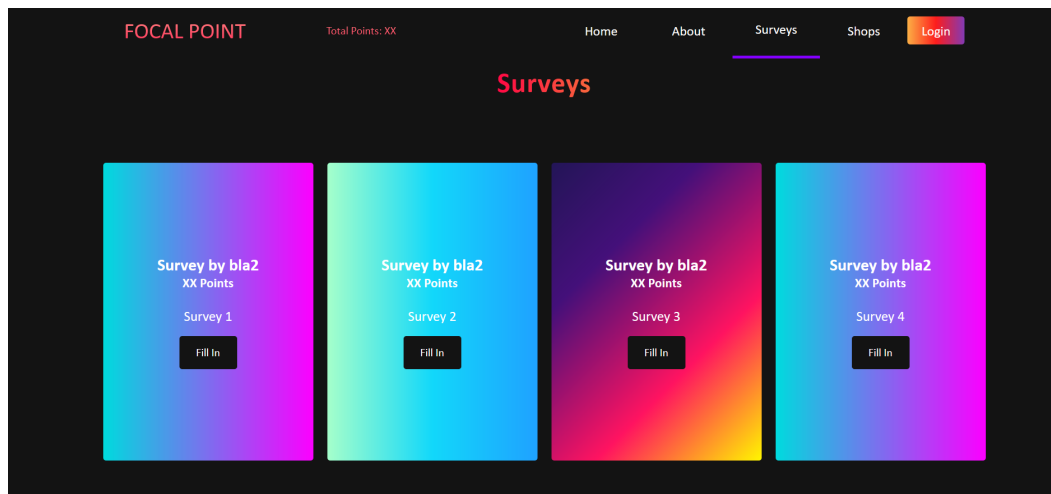
Here is our main star, our survey page on the home screen. Later, users will be able to fill in the forms to collect points every day. There will be 4 on screen, and once the user has filled in all 4 surveys for today, the surveys will be refreshed 24 hours after the initial release time.
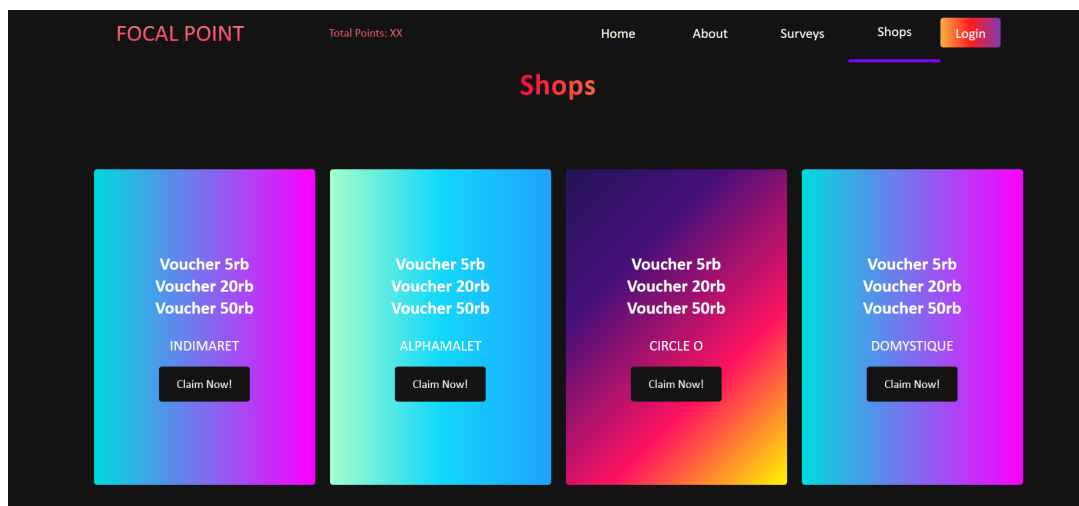


Here is the shop page, each of the cards represents different restaurants or markets. The voucher price and the number of points required for each voucher are written on each card. If the points exceed the minimum, users can buy or add more vouchers if the points collected are enough for the payment.
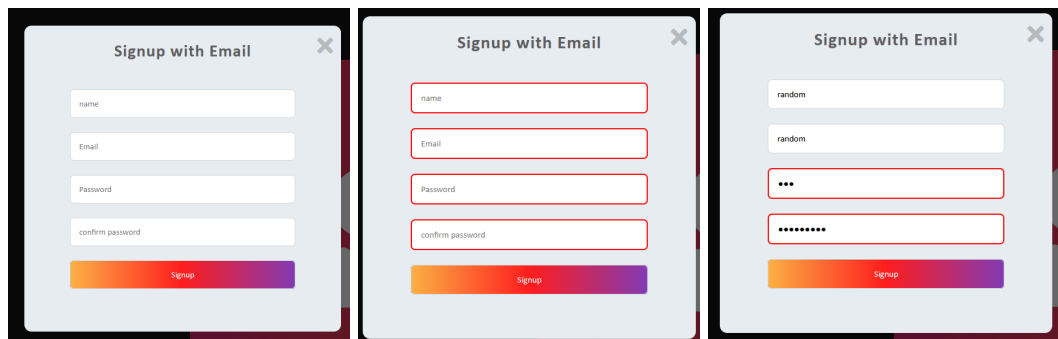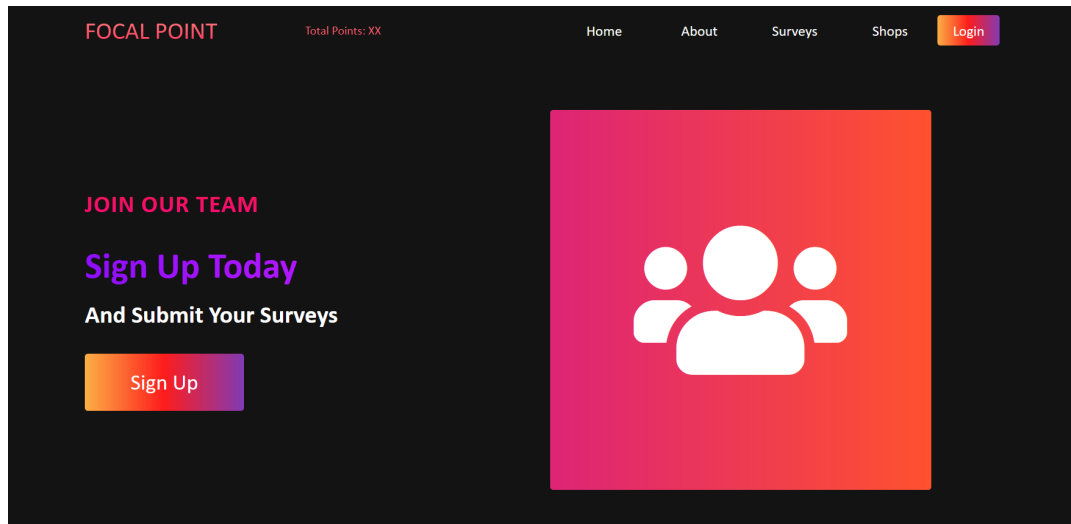
We also have a signup button for users. If we click the signup button, a sign up form will pop up, and if we click login without filling anything out, the boxes will turn red because it doesn't receive any input from the user. If the password and confirm password doesn't have the same input, it will also fail to close the signup prompt.
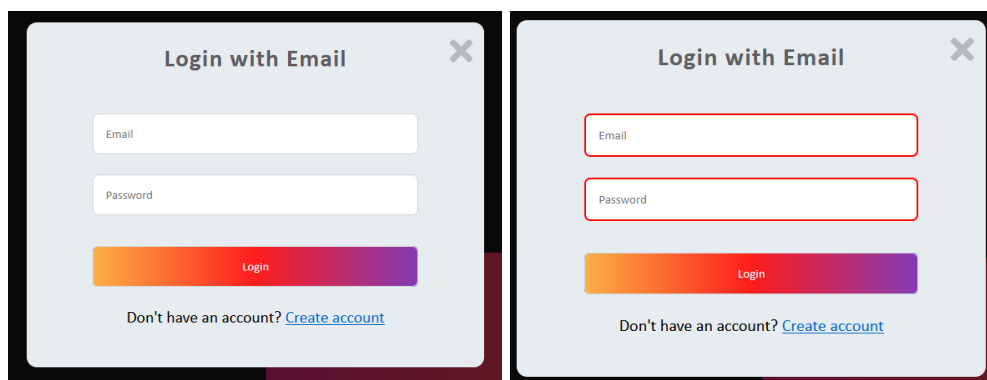
There is also a login button. The concept is similar to the signup button, but just with an email and a password to fill in. The login prompt also has a link below the button inside the prompt that will lead to the signup prompt.
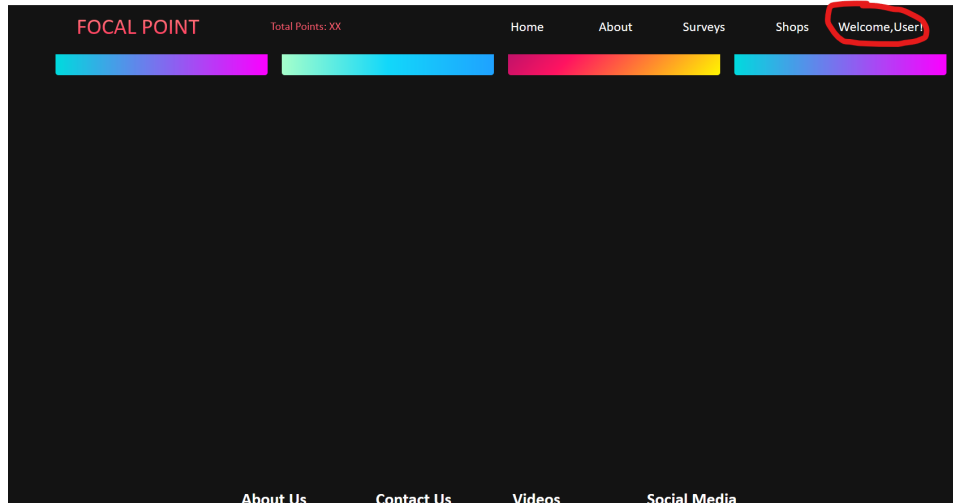


After the user has filled the signup or login prompt, the layout of the frontpage will change, the signup section of the layout will disappear and the login button in the navigation bar will be changed with a "Welcome, User!".



If you click on one of the survey cards, it will redirect you to the fill in survey page. In this page, users can fill in questions asked by the survey submitter. After clicking send, the user will be redirected to the homepage.

If you click on one of the report cards, it will redirect you to the checkout page. In this page, the user can fill in their personal information to check out their surveys. After clicking send, the user will also be redirected to the homepage.

**Mobile version:**

A slight difference on the homepage (smaller screen & has an added hamburger bar for the navbar)

Items will also be displayed in a row.

GitHub link: https://github.com/tirzagabriella/HCI_FocalPoint

Live link: https://tirzagabriella.github.io/HCI_FocalPoint/

Video demo: https://drive.google.com/file/d/1p_IPHltuv15QD0Y0tuuDEhay1CICvFbf/view