

# IT3060 - Human Computer Interaction

# Assignment three

Project title: [1] High Fidelity Prototyping

## **Craigslist.org**

Group number: 2023-WE-S1-13

Group name: DreamWeave

## **Member Details**

Reg. No	Name	Work Distribution
IT21181474	Hettiarachchi H.K.Y. K	<ul> <li>Account Login</li> <li>THIS BEAUTIFUL COMBINATION FIREPLACE / 8-TRACK STEREO!</li> <li>Password Options</li> </ul>
IT21360046	Jayasekara B.B.R. Y	<ul><li>Profile</li><li>Contact us.</li><li>Community</li></ul>
IT21358616	Munasingha M.H.C	<ul><li>For sale</li><li>About</li><li>Services</li></ul>
IT21356636	Perera P.K. L	<ul> <li>Post type and category page</li> <li>Post details fill page.</li> <li>Unpublish draft page</li> </ul>
IT21345746	Siriwardana A.P.G.D. P	<ul><li>Homepage</li><li>Housing</li><li>Events</li></ul>

## **Table of Contents**

1.	Introduct	tion	4
2.	Methodo	ology	4
3.	Figma-H	igh Fidelity Prototype Link	4
4.	Record V	Video Link	4
5.	Test Des	cription	5
5	.1 IT2	1181474 – Hettiarachchi H.K.Y.K.	5
	5.1.1 UI, Acco	Test Plan –THIS BEAUTIFUL COMBINATION FIREPLACE / 8-TRACK STEREGOUNT Login UI, Password Options UI	
	5.1.2	Generate Dummy Data	5
	5.1.3	Sample Analysis of Data	6
	5.1.4	Test Case	6
5	.2 IT2	1360046 - Jayasekara B.B.R. Y	7
	5.2.1	Test Plan – Profile, Contact us, Community	7
	5.2.2	Generate Dummy Data	7
	5.2.3	Sample Analysis of Data	8
	5.2.4	Test Case	8
5	.3 IT2	1358616 – Munasingha M.H.C	9
	5.3.1	Test Plan – For sale, About, Services	9
	5.3.2	Generate Dummy Data	9
	5.3.3	Sample Analysis of Data	10
	5.3.4	Test Case	10
5	.4 IT2	1356636 – Perera P.K. L	11
	5.4.1	Test Plan – Post type and Category page, Post detail fill page, Unpublish draft page	11
	5.4.2	Generate Dummy Data	11
	5.4.3	Sample Analysis of Data	12
	5.4.4	Test Case	12
5	.5 IT2	1345746 – Siriwardana A.P.G.D.P	13
	5.5.1	Test Plan - Homepage, Housing page, Events page	13
	5.5.2	Generate Dummy Data	13
	5.5.3	Sample Analysis of Data	14
	5.5.4	Test Case	14
6.	Summar	y	15
7.	Future W	/ork	15

8. 7	Fime Schedule	16
9. F	References	16
10.	Appendix	17
9.1	. IT21181474 – Hettiarachchi H.K.Y. K	17
9.2	. IT21360046 – Jayasekara B.B.R.Y	22
9.3	. IT21358616 – Munasingha M.H.C	27
9.4	. IT21356636 – Perera P.K.L	38
9.5	. IT21345746 – Siriwardana A.P.G.D.P	44

# **Table of figures**

Figure 9.1 1 – Account Login	17
Figure 9.1 2 – Password option	18
Figure 9.1 3 – Forgot password.	19
Figure 9.1 4 – Reset password.	20
Figure 9.1 5 - THIS BEAUTIFUL COMBINATION FIREPLACE / 8-TRACK STEREO!	21
Figure 9.2 1 – Contact us.	22
Figure 9.2 2 - Profile	23
Figure 9.2 3 – Edit profile	24
Figure 9.2 4 – Product Information	
Figure 9.2 5 – Pet Accessories	
Figure 9.3 1 - Service	27
Figure 9.3 2 – Service category	
Figure 9.3 3 – About us	
Figure 9.3 4 – About us values	
Figure 9.3 5 – About us Best of Craigslist	31
Figure 9.3 6 – About us Blog	32
Figure 9.3 7 – For sale	33
Figure 9.3 8 – For sale Add Advertisement	34
Figure 9.3 9 – For sale Add Advertisement filled	
Figure 9.3 10 – For sale Add advertisement view page	
Figure 9.3 11 – For sale Add Advertisement successful.	
Figure 9.4 1 - Post Category	38
Figure 9.4 2 - Posting form.	39
Figure 9.4 3 - Image upload	40
Figure 9.4 4 - Unpublish draft	41
Figure 9.4 5 - Post success	
Figure 9.4 6 - Publish post.	43
Figure 9.5 1 - Homepage	44
Figure 9.5 2 - Events	
Figure 9.5 3 - Housing	46

### 1. Introduction

Our team chose the website called "Craigslist" the one of most well-known websites for online marketplace. The primary purpose of this website is to connect users within specific geographical areas, enabling them to post listings for items, services, housing, jobs and more. Users can explore listings, communicate with sellers through mail, and negotiate transactions directly. Its simplistic, Text-heavy interface and lack of modern designs (e.g., images etc.) can be occur as usability challenges for users.

## 2. Methodology

The advertising website, named "Craigslist" ("<a href="https://craigslist.org/">https://craigslist.org/</a>") was selected to perform a new look and cover up great UI/UX. The objectives of this assignment were to identify usability issues, give great user experience to the users within exiting website and design a high-fidelity prototype. After selecting this website, each member of the group was assigned to three interfaces by individually including a CRUD.

One of the most important activities is Data Analysis that should be followed the website elicitation. Within this project, in-depth interviews with Contextual Inquiries with participants were used as data collection methods. The aim of the Contextual Inquiries is to identify participants' emotions, feelings, and opinions regarding usability issues within exiting interfaces of the selected web application.

Sketching is another important activity that should be followed before design high fidelity prototype for selected interfaces. It is the technique that used by designers for web and graphic design projects. We used Mock Flow for low fidelity prototyping. When considering the high-fidelity prototyping, we did it using Figma. After designing the new interfaces, we used test cases to analyze whether the interfaces are free from usability issues.

## 3. Figma-High Fidelity Prototype Link

https://www.figma.com/file/v9bTlSYGZAT3Jzls4dRBwC/HCI\_Group13?type=design&node-id=0%3A1&mode=design&t=Ph7Igh04pxIixOIU-1

### 4. Record Video Link

https://drive.google.com/drive/folders/108ExMWmg--CMOWXfHkdgQMgai7CWw6U-?usp=share\_link

## **5. Test Description**

### **5.1** IT21181474 – Hettiarachchi H.K.Y.K.

# 5.1.1 Test Plan –THIS BEAUTIFUL COMBINATION FIREPLACE / 8-TRACK STEREO! UI, Account Login UI, Password Options UI

#### What is the task being tested?

- 1. All buttons are working properly.
- 2. Accretive combination of color usage.
- 3. Navigation bar work properly
- 4. Text size
- 5. Suitable font family usage for text.
- 6. Easily identify the content of the page
- 7. Required warning messages display correctly and get more attention of the users.
- 8. Clearly identify form details.
- 9. The colors, icons and placeholders of the forms are suitable for all types of users to easily identify the required field and fill the details.

#### **How it is going to measured**

- 1. If click the button is direct to the correct page, it is pass or not its failure.
- 2. If the user can easily identify and can fill in form details such as set a password, create an account, login and extra correctly it is pass, otherwise it is a failure.
- 3. If the information of the THIS BEAUTIFUL COMBINATION FIREPLACE / 8-TRACK STEREO! Page is easily readable, and users can easily get the idea when it is pass or fail.
- 4. If the UI colors that are used too strong to the user, it is a failure. Otherwise, it is a pass.

#### **5.1.2** Generate Dummy Data

Name of the participant	Feature/Task 1	Feature/Task 2	Feature/Task 3	Note
Novice seller	COMBINATION	Read the information of THIS BEAUTIFUL COMBINATION FIREPLACE / 8- TRACK STEREO! page	Try to redirect to About page	Users is struggling to identify the content of the page.
Hotel Manager	<u>.                                    </u>	Fill the Create an Account form details in the Account Login page	Navigate to Password Option Page	-

Undergraduate Student	Navigate to	Fill the Set a	Navigate to Home	
	Password Option	Password form details	page	
	Page	in the Password		-
		Option page		

## 5.1.3 Sample Analysis of Data

Prototype screen / UI	User's feedback /Problem	Reason for negative feedback	Severity (high/ medium/ low) and justification.	Way(s) to rectify and any tradeoffs
THIS BEAUTIFUL COMBINATION FIREPLACE / 8-TRACK STEREO!		Cannot get the idea of the content.	Medium	Rewrite the content of the page in user friendly manner
Account Login	The user is highly satisfied; the content is nicely arranged and user friendly.	-	-	-
Password Options	Well organized form and page content	-	-	-

## 5.1.4 Test Case

Test ID	Test Input	Expected Output	1	Result (Pass/Fail)
	1	•	Direct to Password Option page	Pass
		· ·	Direct to Reset Password (Go to email page) page	Pass

Total number of Tasks = 9

Total number of Successful Tasks = 8

Success Rate = 88.88%

## **5.2** IT21360046 - Jayasekara B.B.R. Y

### 5.2.1 Test Plan – Profile, Contact us, Community.

#### What is being tested?

- Easily identify the content of the page
- Text size
- Button clicks.
- Back buttons
- Navigations from home
- Easily identifying highlighted point
- Clearly identify form details.
- The colors, icons and placeholders of the forms are suitable for all types of users to easily identify the required field and fill the details.

### How it is going to measured

- If the fonts/texts are clearly visible and readable it is a pass.
- If the UI colors that are used too strongly to the user, it is a failure. Otherwise, it is a pass.
- If the main functions are easily accessible and attractive it is a pass.
- When clicking buttons, if they correctly navigate to the relevant page, it is a pass if not a failure.

### **5.2.2** Generate Dummy Data

Name of the participant	Feature/Task 1	Feature/Task 2	Feature/Task 3	Note
Novice seller	Click the contact us button on navigation bar	Navigate to the contact us page	What do you think about the button size of "submit" button?	The participant is not satisfied with a small button size; therefore, it is better to have average button size.
Hotel Manager	Navigate to Community page	Try to click "categories" button and expand the category list	Try to add products to the cart	_
Undergraduate Student	Navigate to the profile page.	Isn't it true that you have only included the most important details in this section?	What are your thoughts on the profile page's general style and information?	_

## 5.2.3 Sample Analysis of Data

Prototype screen / UI	User's feedback /Problem	Reason for negative feedback	Severity (high/ medium/ low) and justification.	Way(s) to rectify and any tradeoffs
Contact us.	"Submit" button size is small.	It is difficult to click small buttons.	Medium	Increase the button size as user-friendly.
Community	User satisfied, a clean layout and all the required information are provided. Nicely organized and well designed.	-	-	-
Profile	The color of the font and size is insufficient.	It is difficult to click small buttons.	Medium	Increase the font color and font size as the user satisfies.

## 5.2.4 Test Case

Test ID	<b>Test Input</b>	Expected Output	Actual Output	Result (Pass/Fail)
			Redirect to contact us page	Pass
7	D		Redirect to Checkout page	Pass

Total number of Tasks = 9

Total number of Successful Tasks = 7

Success Rate = 77.77%

## **5.3** IT21358616 – Munasingha M.H.C

### 5.3.1 Test Plan – For sale, About, Services

#### What is the task being tested?

- Easily identify the content of the page
- Text size
- Button clicks.
- Back button
- Clearly identify form details.
- The colors, icons and placeholders of the forms are suitable for all types of users to easily identify the required field and fill the details.

#### **How is it going to measured?**

- Text size should be set at a minimum of sixteen pixels to ensure readability. Text below this size may result in a test failure.
- Buttons should perform their designated actions when clicked. If they perform the intended action, the test passes. If any button does not respond or triggers unintended actions, it fails.
- If the UI colors that are used too strongly to the user, it is a failure. Otherwise, it is a pass.
- If the main functions are easily accessible and attractive it is a pass.
- When clicking buttons, if they correctly navigate to the relevant page, it is a pass if not a failure.

### **5.3.2** Generate Dummy Data

Name of the participant	Feature/Task 1	Feature/Task 2	Feature/Task 3	Note
Novice seller	Click the about us button on navigation bar	Navigate to the about us page	What do you think of the information given here? Do you think the information provided here is sufficient?	The participant is struggling with a small amount of information, so it is better to have a few more details.
Hotel Manager	Navigate to for sale page	What do you think about the arrangement of the products related to the for-sale category?	What do you feel about the color theme and use of images?	-

Undergraduate Student	Navigate to the	How does it help users	What was the	It is better to enlarge
	service page.	who visit this page	overall quality of	the font size and
		find the headline for	these steps?	change the style of
		each checkout section?	*	each headline
				slightly so that the
				user can easily see
				the headline of each
				section.

## 5.3.3 Sample Analysis of Data

Prototype screen / UI	User's feedback /Problem	Reason for negative feedback	_	Way(s) to rectify and any tradeoffs
About us	The information is not enough.	Lack of adequate information regarding the given fact.		Increase the information as user-friendly.
For sale	Users are satisfied.	-	-	-
Service	The color of the font and size is insufficient.	It is hard to read the headline.	Medium	Increase the font color and font size as the user satisfies.

## 5.3.4 Test Case

Test ID	Test Input	Expected Output	Actual Output	Result (Pass/Fail)
	Add advertisement in for sale page	l. *	Upload images of the item.	Pass
2	Submit the advertisement in the for-sale page	L	Redirect to for sale home page	Pass

Total number of Tasks = 9

Total number of Successful Tasks = 7

Success Rate = 77.77%

### 5.4 IT21356636 – Perera P.K. L

# 5.4.1 Test Plan – Post type and Category page, Post detail fill page, Unpublish draft page

#### What is the task being tested?

- 1. All buttons are working properly.
- 2. Accretive combination of color usage.
- 3. Navigation bar work properly
- 4. Text size
- 5. Easily identify the content of the page
- 6. Required warning messages display correctly and get more attention of the users.
- 7. Clearly identify form details.
- 8. The colors, icons and placeholders of the forms are suitable for all types of users to easily identify the required field and fill the details.

#### How is it going to measured?

- If the main function is easily accessible and attractive it is a pass.
- If the text size is too small, it has failure but readable it is a pass.
- If the colors are eye catching more than original design, it is pass.
- When the clicking buttons, if they correctly navigate to the relevant pages, it is pass not failure.

### **5.4.2** Generate Dummy Data

Name of the participant	Feature/Task 1	Feature/Task 2	Feature/Task 3	Note
Novice seller	Navigate to the posting category page and what do you think about this?	Can you easily find the post category that you want?	Do you satisfy with the font size of the page?	Participant is struggling with font size because of it would be better if it was a little bigger.
Hotel Manager	Navigate to the create posting page	Fill the details about your posting	Navigate to image upload page	-
Undergraduate Student	Navigate to the Unpublished draft page	Edit the post and edit the image	Publish the post the post you created	-

## **5.4.3** Sample Analysis of Data

Prototype screen / UI	User's feedback /Problem	Reason for negative feedback	Severity (high/ medium/ low) and justificatio n.	Way(s) to rectify and any tradeoffs
Post type and category page	It is obvious that there is a lack of transparency in the way. The supplied categories are not clearly displayed.	There are some issues with the user interface. and lack of clarity on how details are not specified.	Medium	Change the user interface.  Highlight important notes.
Post details fill page	It is a very simple interface. Easy to understand and fill the form. There is no	-	-	-
Unpublish draft page	The way the things are presented is very attractive. Its attraction is increased by a simple design and easy usability.	<del>-</del>	-	-

## 5.4.4 Test Case

Test ID	Test Input	Expected Output	Actual Output	Result (Pass/Fail)
1	Click edit post button	Direct to Post details fill page	Direct to Post details fill page	Pass
2	Click edit image button	Direct to Image upload page	Direct to Image upload page	Pass

Total number of Tasks = 9

Total number of Successful Tasks = 8

Success Rate = 88.88%

### 5.5 IT21345746 – Siriwardana A.P.G.D.P

### 5.5.1 Test Plan - Homepage, Housing page, Events page

#### What is being tested?

- All functions are perfectly visible.
- Added colors.
- Button clicks.
- Back buttons
- Navigations from home
- Easily identifying highlighted points
- Clear sections
- Added graphics.
- Added categorized interface for homepage.

### How is it going to measured?

- If the main functions are easily accessible and attractive it is a pass.
- If the colors are eye catching more than the previous design, it is a pass or if they are not user friendly or not clearly visible it is a failure.
- If the fonts/texts are clearly visible and readable it is a pass.
- When clicking buttons, if they correctly navigate to the relevant page, it is a pass if not a failure.

### **5.5.2** Generate Dummy Data

Name of the participant	Feature/Task 1	Feature/Task 2	Feature/Task 3	Note
Novice seller	Navigate to Housing page through homepage	Adjust the filters according to the system	Try to go back to previous page	User was struggling to find housing button, manage the filtering system and identify the back button.
Hotel Manager	Visit homepage after creating an account	Search for given item	Satisfied to deal with this interface?	User confused about the homepage because its full of links and unsatisfied about the content and colors.
Undergraduate Student	Navigate to Event calendar through homepage	Try to filter some results by the filtering system.	Click on an event	-

## 5.5.3 Sample Analysis of Data

Prototype screen / UI	User's feedback /Problem	Reason for negative feedback		Way(s) to rectify and any tradeoffs
Homepage	Content is arranged in an organized manner with customized items like header and footer. Use colors which user do not mess about content. Categorized sections that user can easily identify.	-	-	-
Housing	The user is highly satisfied; the content is nicely arranged and user friendly.	-	-	-
Events	Well organized page content with colors so user wont mess up with links.	-	-	-

## 5.5.4 Test Case

Test ID	Test Input	Expected Output	Actual Output	Result (Pass/Fail)	
1	Click housing button in the navigation bar	Direct to housing page	Direct to housing page	Pass	
2	Click Event Calendar	Direct to Event page	Direct to Events page	Pass	

Total number of Tasks = 9

Total number of Successful Tasks = 6

Success Rate = 66.66%

## 6. Summary

In HCI module, group project firstly we selected website that has too many usability issues. We considered several alternative considerations. And finally, we selected Craigslist website and stakeholders. We found many usability issues of the website and considered the requirements of the stakeholders. We created sketches for new interfaces in two different ways as variants 1 and 2. We decided most suitable wireframes with the help of group members and choice the tool for designing interfaces. (Low fidelity prototype->Mock Flow, High fidelity prototype->Figma) Then we created attractive interfaces free from useability issues. At the end of the group project, we created a video demonstration with the explanation of the newly created interfaces.

### 7. Future Work

When considering the future contributions of the group project we decided make the website more useability issues free. First of all, we decided to study furthermore details about the Craigslist website and make the content more readable to the users with familiar languages for the more users. We already make the future plan for the projects with work distribution and hope to continue further.

## 8. Time Schedule

Task							W	eeks						
	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Group registration and project topic selection														
Identifying usability issues of the website				<u> </u>			<u> </u>	<u> </u>						
Designing 3 Personas	<u> </u>				₩	—	<u> </u>	—	<u> </u>	<u> </u>				
Scripting contextual inquiries														
Documentation														
Activity one submission														
Designing sketches														
Justify the Pros and Cons														
Identify the techniques										<u> </u>		<u> </u>		
Planning					T	T								
Documentation														
Activity two submission														
Design High Fidelity Prototype														
Making video demonstration														
Implement the project										l				
Activity three submission														
Making Final Project														
Final Presentation														

## 9. References

 $[1] \ "Figma\ handbook," \ [Online].\ Available: \ https://designcode.io/figma-handbook-prototyping.$ 

# 10. Appendix

## 9.1.IT21181474 - Hettiarachchi H.K.Y. K

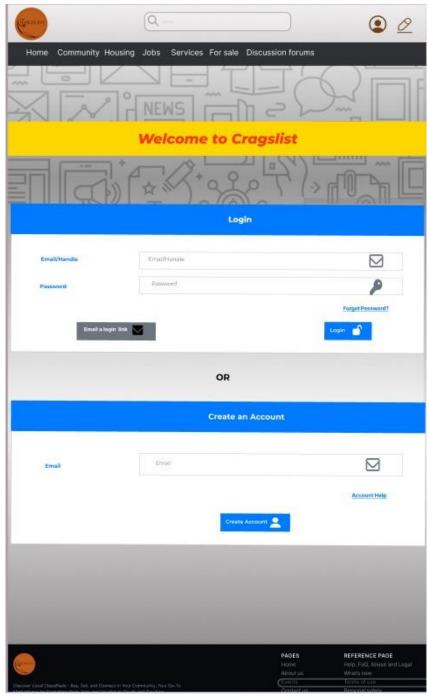


Figure 9.1 1 – Account Login

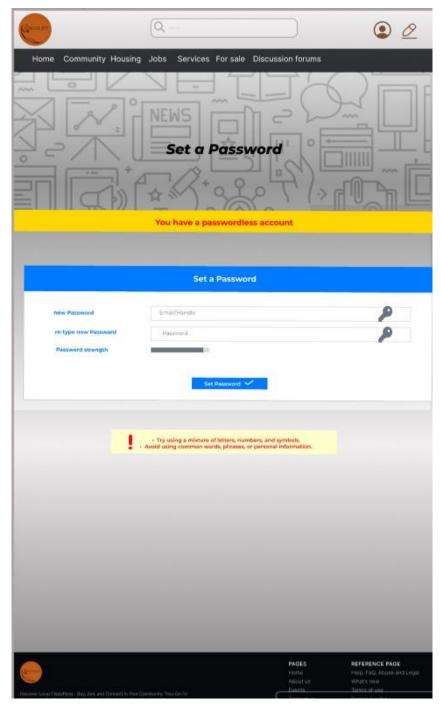


Figure 9.1 2 – Password option

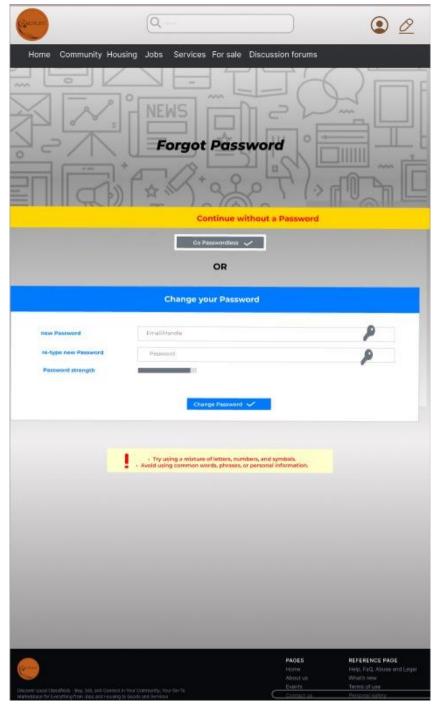


Figure 9.1 3 – Forgot password.

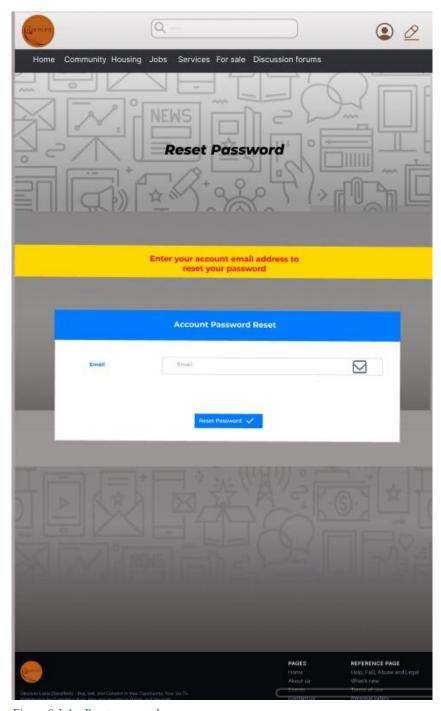


Figure 9.1 4 – Reset password.

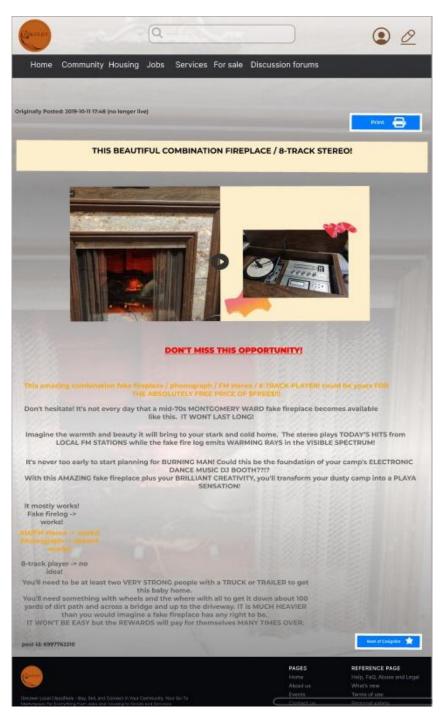


Figure 9.1 5 - THIS BEAUTIFUL COMBINATION FIREPLACE / 8-TRACK STEREO!

## 9.2.IT21360046 – Jayasekara B.B.R.Y

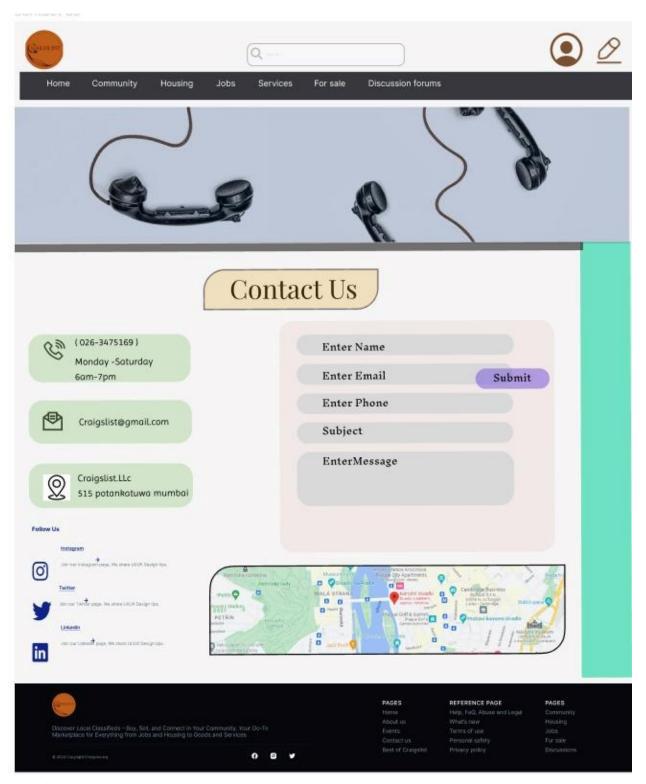
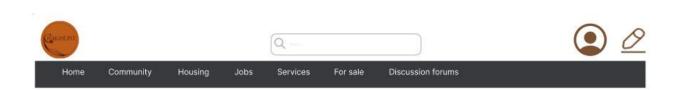


Figure 9.2 1 – Contact us.



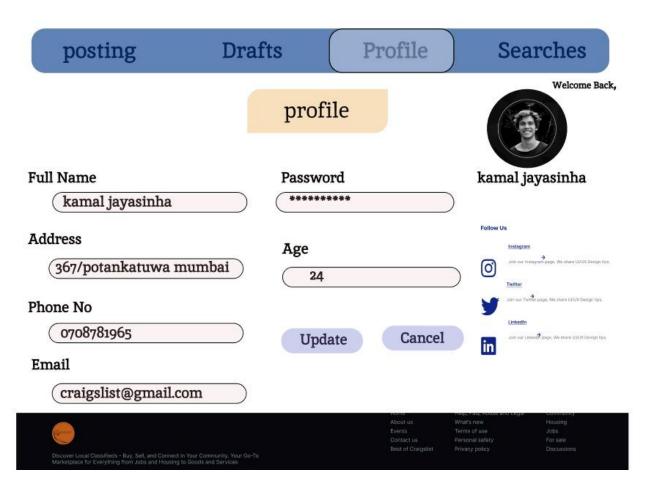


Figure 9.2 2 - Profile

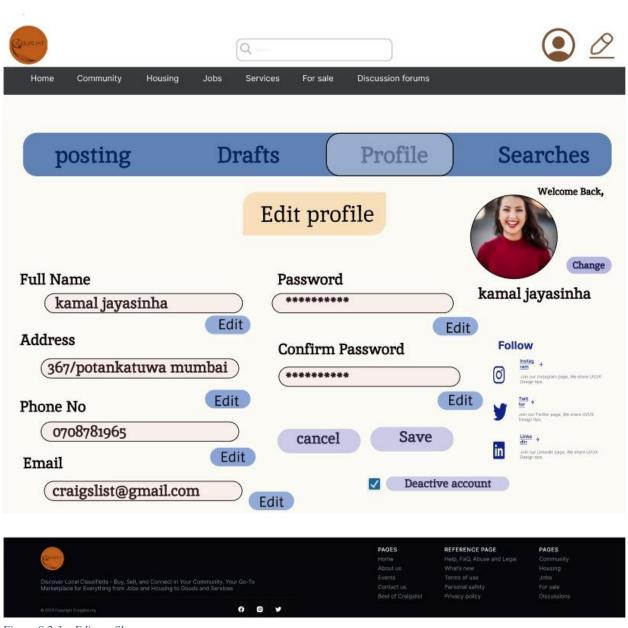


Figure 9.2 3 – Edit profile.

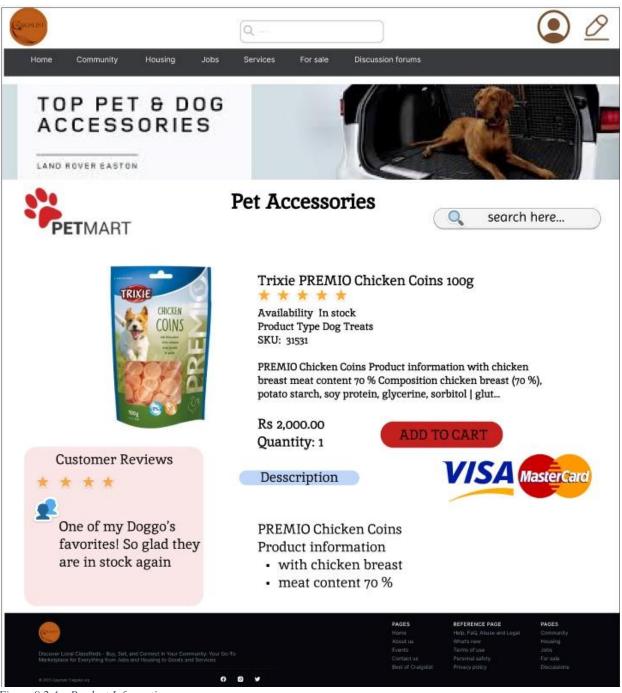


Figure 9.2 4 – Product Information

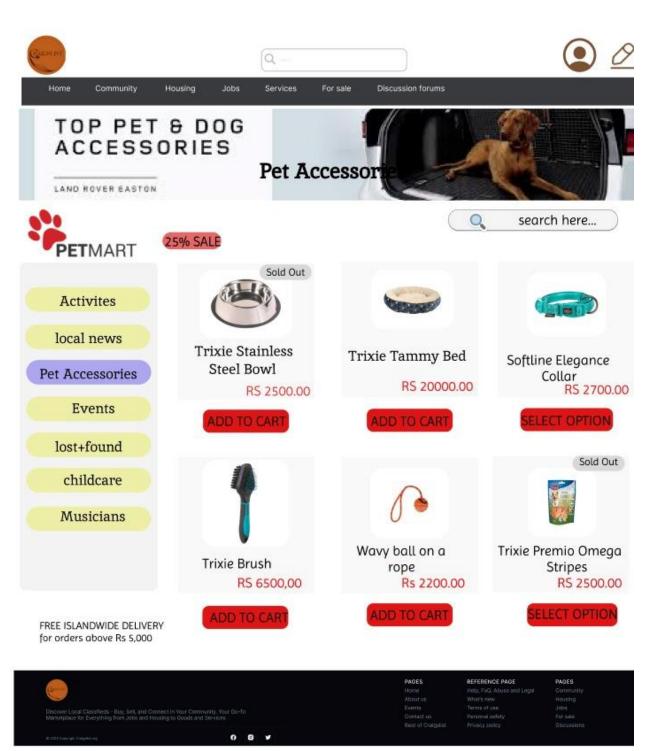


Figure 9.2 5 – Pet Accessories

## 9.3.IT21358616 – Munasingha M.H.C

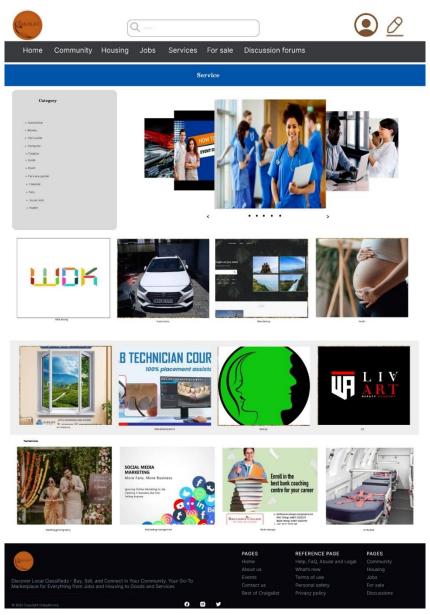
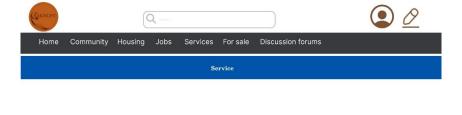


Figure 9.3 1 - Service



Wedding photography in Kerala (Calicut, Kerala)



Planning a dream destination wedding in the beautiful land of Kerala? Let Oaks capture your special moments with our exceptional wedding photography services and stunning Kerala wedding photoshoots. Contact us now to turn your wedding into a fairytale come true.

do NOT contact me with unsolicited services or offers

post id: 7675885466 posted: about 4 hours ago best of [?]



Figure 9.3 2 – Service category

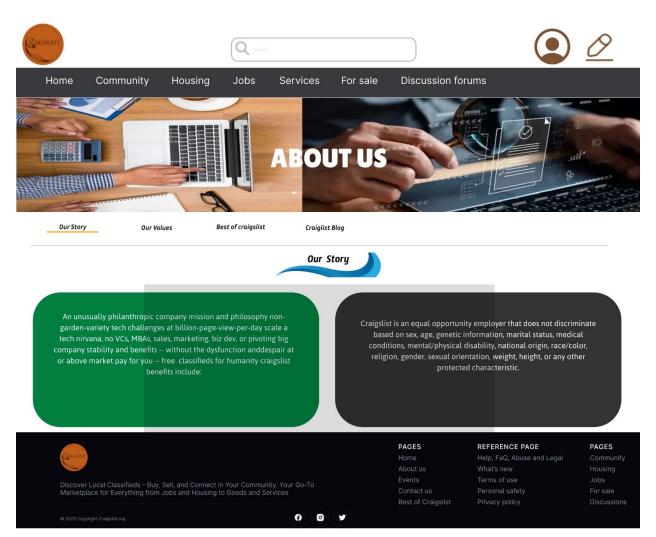


Figure 9.3 3 – About us

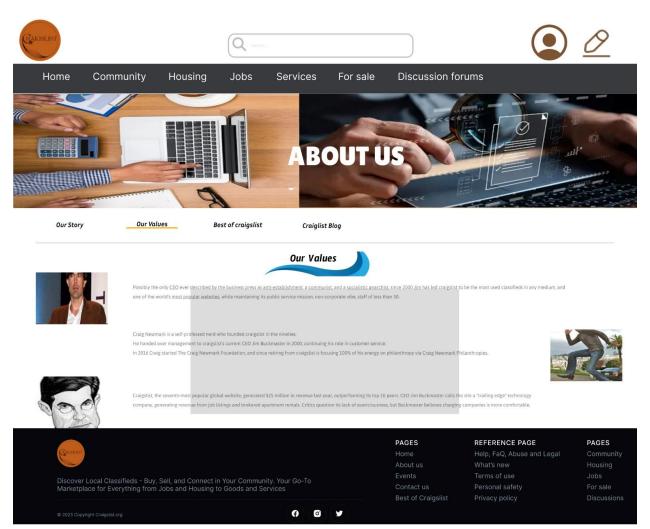


Figure 9.3 4 – About us values



Figure 9.3 5 – About us Best of Craigslist

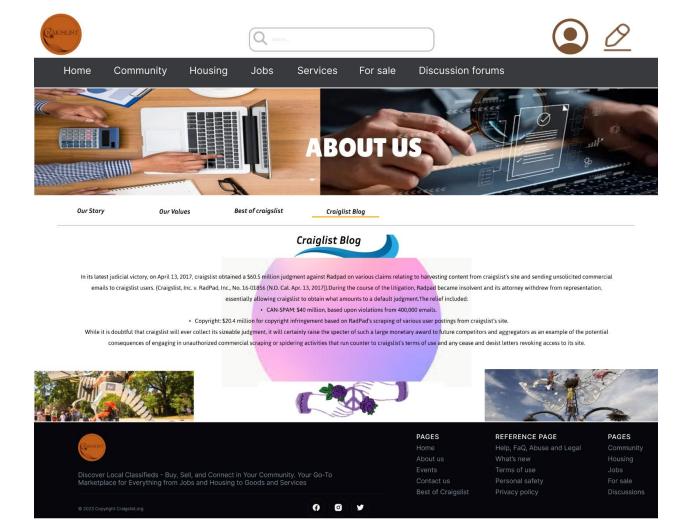


Figure 9.3 6 – About us Blog

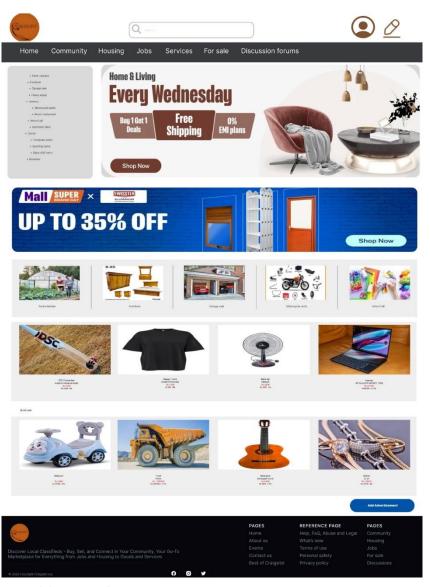
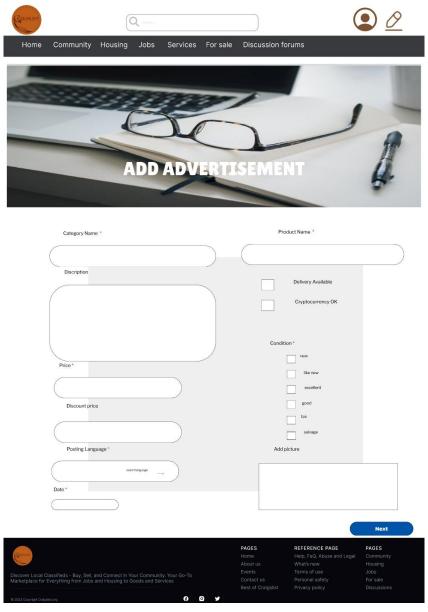
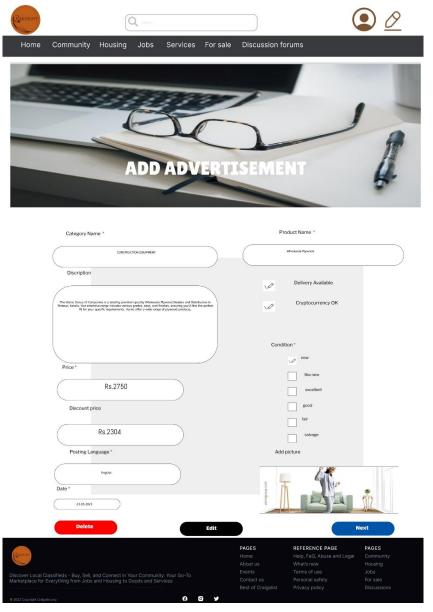


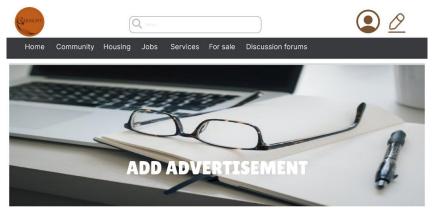
Figure 9.3 7 – For sale



Figure~9.3~8-For~sale~Add~Advertisement

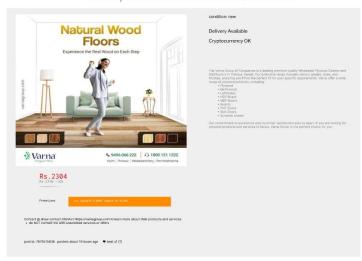


Figure~9.3~9-For~sale~Add~Advertisement~filled.



CONSTRUCTION EQUIPMENT

#### Wholesale Plywood Dealers and Distributors in Thrissur, Kerala (Thrissur)



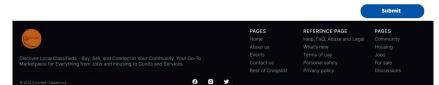


Figure 9.3 10 – For sale Add advertisement view page.

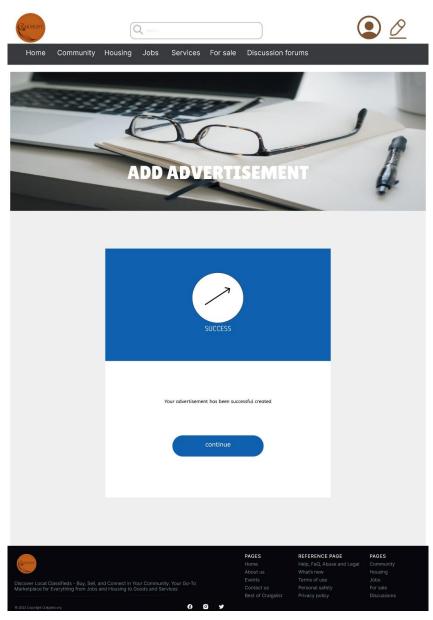


Figure 9.3 11 – For sale Add Advertisement successful.

## 9.4.IT21356636 - Perera P.K.L

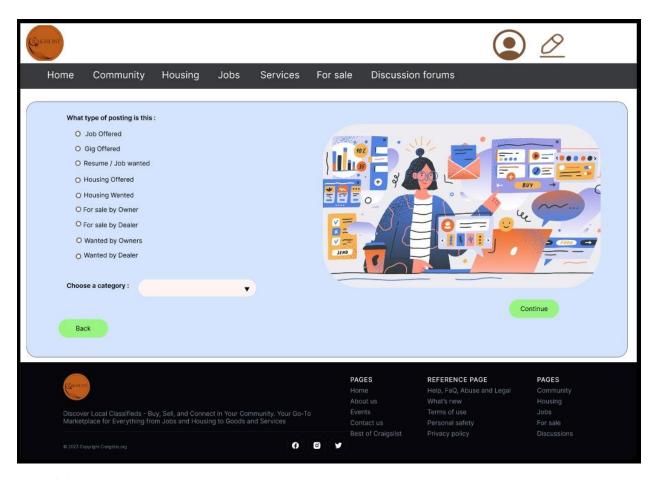


Figure 9.4 1 - Post Category

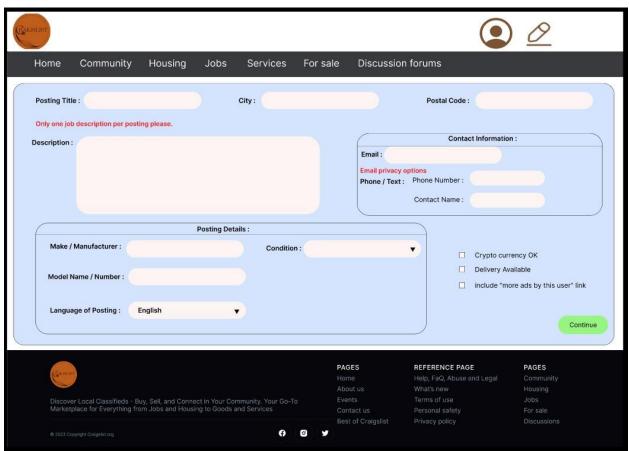


Figure 9.4 2 - Posting form.

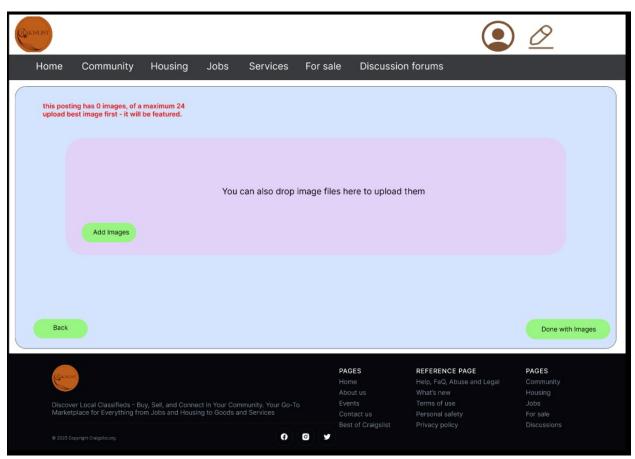


Figure 9.4 3 - Image upload



Figure 9.4 4 - Unpublish draft

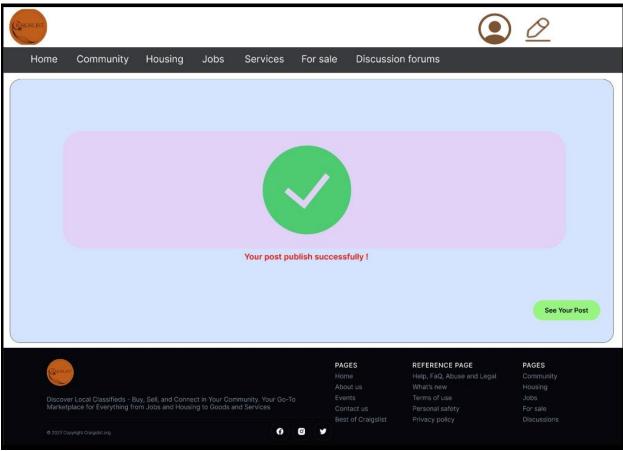


Figure 9.4 5 - Post success

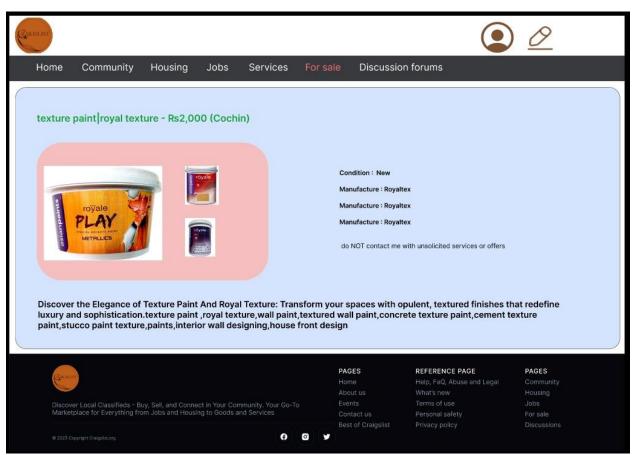


Figure 9.4 6 - Publish post.

## 9.5.IT21345746 - Siriwardana A.P.G.D.P



Figure 9.5 1 - Homepage

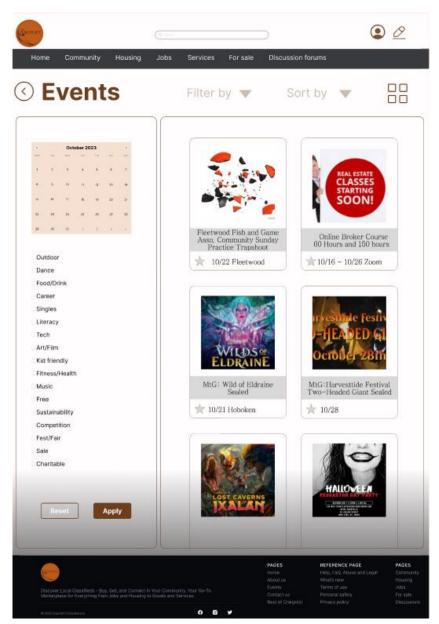


Figure 9.5 2 - Events

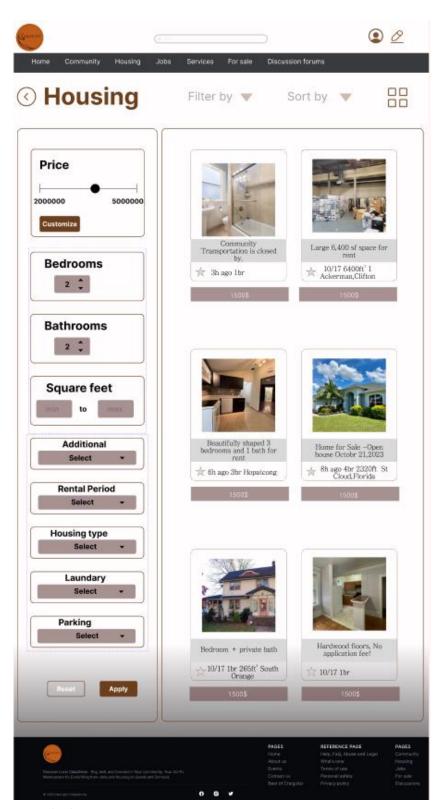


Figure 9.5 3 - Housing