My Neighborhood

Midterm: Product Canvas-1
Submitted by:
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Tanmay Kakkad

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As a buyer, I would like to discuss the quotation price with the owner and place a bid on the property	10

High Priority → Low Priority

CHAD BERTMAN

S0 - Bryan
Global Development
Lead-Sales

BIO
Chad is a pure family man with a wife, 4 kids and 2 dogs. He has recently shifted to New jersey from Bryan, Texas for his new job. He is quite attached to his very spacious and well situated house in Bryan since that was the very first house he purchased! Quite passionate about architecture, he even constructed a barbecue space near his house. He is looking to sell his fully furnished place in Bryan to a family who loves architecture, furniture and nature!

OBJECTIVES
To have a platform where he can sell his property to potential buyers.
To be able to upload various details such as measurements and pictures.
To be able to directly contact the interested buyers.

PAIN POINTS
Brokers are quite a pain to deal with, but there is no other alternate platform.
Doesn't know how to reach out to potential buyers.

What is Chad looking for?
Ease of sale
Outreach ability
Flexibility
Simple UI
Ease of communication
Easy Payment Transfer

PERSONALITY
Introverted — Extroverted
Practical — Emotional
Family focused — Work Oriented
Creative — Analytical

"I mean, you gotta love the grill!"

FAMILY MAN FRANK JEFFERSON
FRANK HAS BEEN WANTING TO BUY A BIGGER HOUSE FOR HIS WIFE, 2 KIDS AND DOG SINCE THE PAST FIVE YEARS. HE FINALLY RECEIVED HIS PROMOTION TO SENIOR MANAGER LAST WEEK AND NOW IT IS TIME TO LOOK FOR A BETTER PLACE FOR HIS FAMILY. FOR THE SAME PURPOSE, HE DECIDES TO VISIT THE MY NEIGHBORHOOD WEBSITE.

EXPECTATIONS
1. is able to filter properties based on his preferences and requirements.
2. is able to compare features between similar properties.
3. is able to reach out to the owners incase of any questions or concerns.
4. has a smooth experience on the website with minimal issues.

THINKING OUT LOUD!
1. The user views the website for the first time in an advertisement on their instagram account.
2. The user gets curious and decides to google search the website.

EXPLORATION
3. The user registers on the website with his details.
4. the user enters his preferences and specifications using the filter that is provided.
5. The user finds various properties of his interests and decides to add them to his favourites.

LET'S CONSULT
6. The user looks at the customer reviews, pictures and other details for the properties he is interested in.
7. He decides to share his findings and observations with his wife.
8. He consults his elder brother for further advice.
9. He further performs google search on his favourite properties.

ZONING IN
10. Decides to contact the owner to further discuss about the properties.
11. Schedules visits to his interested properties with the respective owners.
12. He exchanges numbers with the owner in order to schedule a visit.
13. He notes down his observations regarding each property along with pros and cons.

LET'S DO THIS!
14. After much deliberation, the user decides on a house.
15. He decides to schedule one final visit to the property before confirming his suggestion.
16. Checks out offers and promotions along with various payment options.
17. Using the final offers, he purchases his favourite property using the website.

USER STORY / ACCEPTANCE CRITERIA

USER STORY	ACCEPTANCE CRITERIA	PRIORITY	ESTIMATED TIME TO COMPLETE	PRECURSOR
As a tenant, I would like to be able to contact owners via a chat box so that I can get my queries and concerns clarified.	1. The user is able to view a chatbox on the bottom right corner of the screen. 2. The chat box is able to establish a connection between the user and the buyer. 3. The user is able to view the chats sent to him previously by the potential buyer.	MEDIUM	1 MONTH	1. The network connection is established between a user and the buyer. 2. The chatbox has a database of pre-answered questions. 3. The chatbox has the ability to send automated replies on standard queries. 4. The chat history is saved for the past 7 days.
As a tenant, I would like to be able to view properties along with details, ratings, reviews, pictures and map views so that I can make an informed choice.	1. The user is able to see properties segregated into categories like rented apartments, flats etc. 2. The user is able to apply filters with varying levels of details specific to the kind of accommodation that the user is looking for.	HIGH	1.5 MONTHS	1. A database exists which already has the details of various kinds of accommodations. 2. The database is connected to the front-end of the website. 3. The filter function has been implemented in the website.
As a tenant, I would like to be able to login/sign up on the application.	1. The user is able to view a sign up button on the screen. 2. The user is able to click on the respective options to perform the required action. 3. The user details are added to the database post signing up on the website. 4. The username and password are activated after 24 hrs.	MEDIUM	1 MONTH	1. The database now has respective triggers in place to update the records once a new user signs up on the application. 2. The application is working to accept new user details.

SPRINT 1 (1 MAY,2022–15 JUNE,2022)

S.NO.	USER STORIES	STATUS	ASSIGNED TO	PRIORITY	STORY POINTS(20)
US1	As a tenant, I would like to be able to login/sign up on the application.	DONE	KATY HOLMES	HIGH	5
US2	As an owner, I would like to be able to sell my property by posting various details about the property such as floor plan, pictures, map views, measurements.	DONE	JAMES GOLDENBERG	HIGH	5
US3	As a tenant, I would like to be able to view properties along with details, ratings, reviews, pictures and map views so that I can make an informed choice.	DEPLOYMENT PENDING	JIMMY FAUX	HIGH	4
US4	As a buyer, I want to view detailed information about each property and surrounding populations including photos, student housing, nearby availabilities	UNDER TESTING	ARCHANA SHARMA	HIGH	4
US5	As a manager, I would like to be able to view/generate and download reports based on various features so that I can track the status of the company financially.	ONGOING	DAVID EIDEN	MEDIUM	2

My Neighborhood
Official Property Portal for Bryan

Buyers | Sellers | Tenants | Contact Us | Login

Buy | Rent | Commercial | Plots | Student Housing

Search for properties and rentals

Top Investment Opportunities

NorthGate
-Fully furnished complexes and Apartments.
-Newly constructed
6900   80
per sqm.   units
available

Rosalia Ranch
-Semi furnished complexes and Apartments.
-Secure Community
6700   90
per sqm.   units
available

Park Station
-Housing complexes with green bakckyards.
-Near to HEB and Target
6200   20
per sqm.   units
available

Cavannah Lakeside
-Build your own house on the lake.
-6 miles to downtown
6300   120
per sqm.   units
available

Wolf Pen Creek
-Apartments in the heart of College station.
-High student demand
6600   78
per sqm.   units
available

Upcoming New Projects

RedGear
-Upcoming commercial space.
-Large office spaces for rent and purchase
Starting
$1200   150
per sqm   units

C-Islander
-Housing community for rent
-Affordable leases for early birds
$700   90
per sqm   units

Eastwood Lake
-Bungalows with modern amenities.
-Built in lake
$2200   60
per sqm   units

Pride Ambience
-Apartments and Pent houses.
-Located on University Drive
$1100   78
per sqm   units

El Torrito Oaks
-Apartment community with 64 acre area.
-Surrounded by trails and forest spaces.
3600   79
per sqm   units

My Neighborhood (Use Case Diagram)

Property Owner | Buyer | Tenant | Company Stakeholder

List Property — <<extend>> — Upload Detailed Information — <<extend>> — Enter Quotation
Login / Logout
View Website Reports
Signup
View Properties
Create Filters for Categories
Apply filters for search — <<extend>> — View leasing options
Send a message
Make a Bid

SPRINT 1 (Burndown Chart)

Y-axis: STORY POINTS (0 to 25)
X-axis: DAYS (1 to 39)

PLANNED — ACTUAL

My Neighborhood (Gantt Chart)

ACTIVITIES	ASSIGNED	START	DAYS	END
Section 1		07 Nov	60 Day	06 Jan
Create Login/Signup Page		07 Nov	60 Day	06 Jan
Post Property Listings				
View List of Properties with...				
Generate Analytical Reports				
View Surroundings to Prope...				
Bay token amount				
Rent Payment				
Sprint 2				
Perform Cost Estimation				
Analyze user engagement				
Chatbox				
Filters for Properties				
Track Financial Performance				
Send Price Quotations				

ABOUT THE COMPANY

PRODUCT NAME: MY NEIGHBORHOOD V1.2

VISION

Provide a platform to consumers looking for multiple criteria and options while deciding to purchase/ sell or rent a property in Bryan city, thereby better regulating the housing neighborhoods by impacting and helping community people find their ideal property.
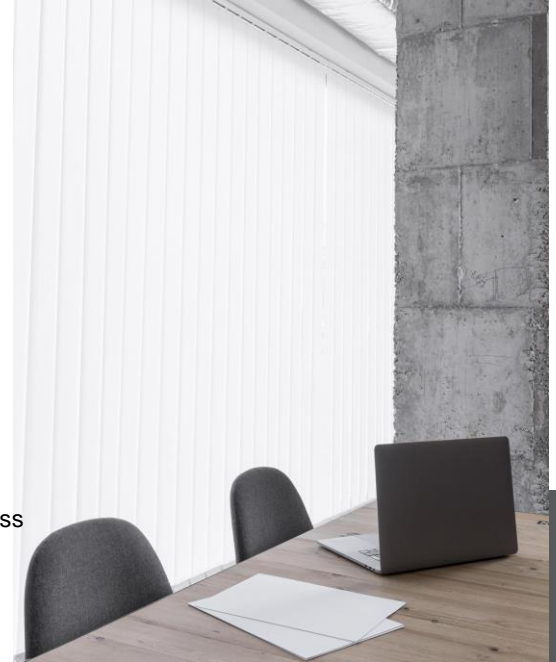
GOAL

Develop a system to better regulate housing and property search to facilitate the community people in making informed decisions related to the property that satisfies their needs.

BIG PICTURE

The system will provide a seamless and exhaustive method for purchasing, renting and selling property across the city of Bryan.

CHALLENGES

- Currently there is no system to streamline the search for properties and provide users a unified system for all real estate related activities.
- Maintain the authenticity of property listings on the system by all users.
- Make the application accessible and easy to use for even luddite people as many investors and community people involved in the real estate transactions are elderly and non-tech savvy.
- Completing the development with all elements of the predetermined scope and within the defined time frame and budget.
- Businesses of local property brokers might be affected if they choose not to adapt to the new system.

SUCCESS METRICS

COST-PER-LEAD
Amount pre-paid by an advertiser to generate a lead.
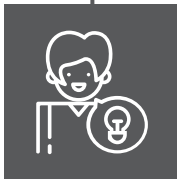
CLICK-THROUGH RATE
Measure of the no. of times a featured ad was clicked.

CSAT
Indicator of customer service and quality.

EPIC

This epic aims to create and implement a system which can be used to list, buy and sell properties. It lists apartments, villas, Rental services with varying designs, specifications and affordability so as to exactly match a user's needs. The ability to use several metrics and inbuilt analytical outputs from property listings is aimed to help users sort through a large list of properties across Bryan to look for the ones that match their requirements. The goal of building this system is to provide community people a transparent look into several real estate across Bryan and provide affordable housing options to match the needs of every individual in the community.

OUR FEATURES

RENT/PURCHASE
Rent/ buy/ sell and rate areas and properties for living

RECOMMENDATIONS
Showing personalized recommendations based on the interests of the user.

MULTIPLE OPTIONS
Provide multiple options to users for housing affordability by displaying various choices that users can choose from.

MAP VIEWS
Using various metrics (student populated areas, noisy areas, community areas) based on user reviews and rating, create a map depicting a hotspot of activities or filters to sort through property listings based on and reviews by people.

RATING CRITERIAS
Green spaces, availability of daily needs stores, parking availability, handicapped facilities, population type(student/family/singles), availability of public transport nearby, preserving nature around, health and sanitization

TARGET GROUPS

•Consumers looking to buy/sell/rent properties in the Bryan district.

•People researching the demographics and amenities of various communities across Bryan.

USER PERSONAS

CHAD BERTMAN

50 - Bryan
Global Development
Lead-Sales

BIO

Chad is a pure family man with a wife, 4 kids and 2 dogs. He has recently shifted to New Jersey from Bryan, Texas for his new job. He is quite attached to his very spacious and well situated house in Bryan since that was the very first house he purchased! Quite passionate about architecture, he even constructed a barbecue space near his house. He is looking to sell his fully furnished place in Bryan to a family who loves architecture, furniture and nature!

PERSONALITY
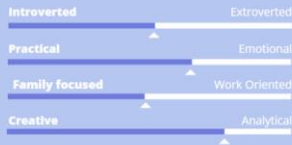
Introverted	Extroverted
Practical	Emotional
Family focused	Work Oriented
Creative	Analytical

OBJECTIVES

To have a platform where he can sell his property to potential buyers.
To be able to upload various details such as measurements and pictures.
To be able to directly contact the interested buyers.

PAIN POINTS

Brokers are quite a pain to deal with, but there is no other alternate platform.
Doesn't know how to reach out to potential buyers.

What is Chad looking for?

Ease of sale

Outreach ability

Flexibility

Simple UI

Ease of communication

Easy Payment Transfer

◆

"I mean, you gotta love the grill!"

CASSIE WILLIAMS

42 - Bryan
CFO, My Neighborhood

BIO

Cassie has been one of the founding members of the My Neighborhood community. She has helped the website to receive huge amounts of funding and it is her go-getter attitude that has resulted in the launch of the website. She has a huge burden on her head in that she needs to manage finances as best as possible, and so she decided to hire database analysts to help her do the same.

PERSONALITY

diplomatic	Opinionated
Extroverted	Introverted
Practical	Emotional
Punctual	Relaxed
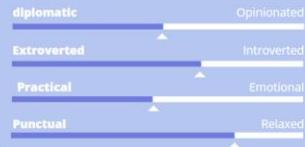
OBJECTIVES

To be able to better lead and manage the Finance Team to make critical company decisions.
To be able to make critical company decisions using analytics and reporting.
To be able to see graphical analysis on her dashboards to see daily, weekly, monthly updates.

PAIN POINTS

Has to wait a really long time to view a critical report.
Has to request a report which is required each time.
Has no way to view daily analytical reports so she can plan her day better.

What skills does Cassie have?

Microsoft Excel

R

Microsoft Access

Microsoft Azure

Decision Making

Product Management

◆

"Alright people, Let's get this moving!"

# USER PERSONAS(CONT.)

Alex Adams

25 - Bryan
Master's Student at TAMU

BIO
Alex is a Master's student at Texas A&M University. Born and brought up in the city of New York, she is quite shocked by the humble College Station. She likes to do various outdoor activities and parties, and hence is looking for a place which has a lot of space. Since it is her first time living by herself, she is quite scared to live alone and wants to rent a place with flatmates in a shared accommodation.

PERSONALITY
Introverted	Extroverted
early-riser	late-sleeper
Messy	Organized
Tech Whiz	Anti-Tech
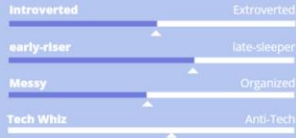
OBJECTIVES
To rent a spacious, clean and secure accommodation under $600 with 2 other girls.
To have a variety of options with the same specifications to choose from.
To be able to compare different properties to choose the best one.

PAIN POINTS
does not know any online platform which can help her look at and compare various societies.
does not know where and how to start her house hunt.

What is Alex looking for?
Spacious

Pet-Friendly

Clean

Security

Easy to locate

Distance from University

"Ain't nobody knows the struggle of a New-Yorker!"

MICHAEL FORD

55 - California
Head of Planning and Design-International

BIO
Michael has been living in California all his professional life. Born and raised in Bryan, Texas, he has become homesick over the years and is looking to move back home post retirement. He may be retiring in about two years from now, and hence it is urgent that he finds a place for him and his wife soon. This is because it is difficult to completely set up a house and that too in just two years!

PERSONALITY
Introverted	Extroverted
Practical	Emotional
Family focused	Work Oriented
Tech Savvy	Anti-Tech
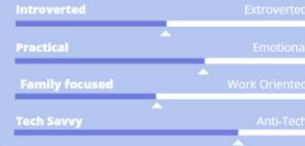
OBJECTIVES
To have a safe and trustworthy platform to purchase a home for his family.
To be able to see and compare various options that appeal to him.
To not have to go through a difficult UI experience

PAIN POINTS
As of now, does not know where to start his house search.
Brokerage fees could burn a huge hole in his pocket.

What is Michael looking for?
Security

spacious

Family oriented society

ease of purchase

Environment friendly

Huge parking spaces

"It's time to come home, birdie!"

USER STORIES

USER STORY	ACCEPTANCE CRITERIA	PRIORITY	ESTIMATED TIME TO COMPLETE	PRECURSOR
As an owner, I would like to be able to perform cost estimation for my property so that I can get a good price on it.	1. The user is able to upload his property details into a dialog box. 2. Details are submitted to the backend database which calculates the cost of the property using analysis and comparison. 3. The cost details are shared with the user via email within 24 hours.	MEDIUM	1 MONTHS	1. The application is up and running. 2. The database is fully equipped with various details so as to create an accurate comparison. 3. The calculator is able to collect various details from other systems and perform accurate estimation upto 99%. 4. The email notification is up and running to share details with the user as soon as the analysis is completed.
As an owner, I would like to be able to sell my property by posting various details about the property such as floor plan, pictures, map views, measurements.	1. The user is able to upload multiple pictures of the property while listing it on the website. 2. The user is able to post a 360 degree view and video of the property. 3. The user is able to point his property correctly on the map view and satellite view on the website. 4. The user has the provision to upload various measurements critical to the property that he is listing. 5. The user has the provision to view and respond to customer reviews on his property.	HIGH	2 MONTHS	1. The database is up and running to collect various details that the user has shared. 2. The database is able to accept data of various formats that is uploaded by the user. 3. The user has already received a 99% accurate cost estimation for his property.
As an owner, I would like to be able to send quotations to users and track the demand of my property.	1. The user is able to send price quotations to interested users. 2. The user can track the number of visitors that view their product listing. 3. The user can view the customer bid on his properties and decide to hike the price accordingly.	HIGH	1 MONTHS	1. The database is up and running to collect various details that the user has shared. 2. The database is able to accept data of various formats that is uploaded by the user. 3. The user has already received a 99% accurate cost estimation for his property.

USER STORY	ACCEPTANCE CRITERIA	PRIORITY	ESTIMATED TIME TO COMPLETE	PRECURSOR
As a manager, I would like to be able to view real time analysis about the company's financial performance.	1. The user is able to view graphical analysis of the company's financial performance in various sectors in weekly, monthly and quarterly categories. 2. The user is able to toggle between the 3 categories to view the reports. 3. The reports are refreshed on a weekly basis and have no stale data.	MEDIUM	2 MONTHS	1. The database is equipped to hold history data. 2. The database is compatible with the front-end software in order to create the graphs.
As a manager, I would like to be able to view/generate and download reports based on various filters so that I can track the status of the company financially.	1. The user is able to view and fill out a filter which will then generate a report. 2. The user is able to download the report directly on the user's local system. 3. The user is able to directly open and view the report.	HIGH	1.5 MONTHS	1. The system is able to generate the report according to the entered filters. 2. The database is online and populated at the time of creation of report.

USER STORIES

USER STORY	ACCEPTANCE CRITERIA	PRIORITY	ESTIMATED TIME TO COMPLETE	PRECURSOR
As a tenant, I would like to be able to contact owners via a chat box so that i can get my queries and concerns clarified.	1. The user is able to view a chatbot on the bottom right corner of the screen. 2. The chat box is able to establish a connection between the user and the buyer. 3. The user is able to view the chats sent to him previously by the potential buyer.	MEDIUM	1 MONTH	1. The network connection is established between a user and the buyer. 2. The chatbox has a database of pre-answered questions. 3. The chatbox has the ability to send automated replies on standard queries. 4. The chat history is saved for the past 7 days.
As a tenant, I would like to be able to view properties along with details, ratings, reviews, pictures and map views so that I can make an informed choice.	1. The user is able to see properties segregated into categories like rented apartments, flats etc. 2. The user is able to see filters with varying levels of details specific to the kind of accommodation that the user is looking for.	HIGH	1.5 MONTHS	1. A database exists which already has the details of various kinds of accommodations. 2. The database is connected to the front-end of the application and is up with minimal downtime. 3. The filter function has been implemented in the website.
As a tenant, I would like to be able to login/sign up on the application.	1. The user is able to view a sign up/login button on the screen. 2. The user is able to click on the respective options to perform the required action. 3. The user details are added to the database post signing up on the website. 4. The username and password are activated after 24 hrs.	MEDIUM	1 MONTH	1. The database has respective triggers in place to update the records once a new user signs up on the application. 2. The application is working to accept new user details.

USER STORY	ACCEPTANCE CRITERIA	PRIORITY	ESTIMATED TIME TO COMPLETE	PRECURSOR
As a buyer, I want to sort and select my preferences to filter through properties	1. The user is able to apply filters such as location, budget, floorplan to the list of properties that are visible to him. 2. The properties that are visible to the user after applying filters must belong only to the specified categories. 3. The user is able to sort through properties with characteristics such as price, listing upload date and number of rooms	HIGH	1 MONTH	1. The list of properties is already available and various sellers have uploaded the property listings. 2. The database contains detailed information about several properties that would be used to create filters.
As a buyer, I want to view detailed information about each property and surrounding populations including photos, student housing, nearby availabilities	1. The user is able to access the information on the property which is uploaded by the seller. 2. The user can access the map view of all properties and see highlighted areas with student population, safety concerns and areas with the most price hike in the last year.	MEDIUM	1.5 MONTHS	1. The database has user submitted information about properties and their current residents. 2. The application must have analytical reports to draw the suggested highlights over areas on the map. 3. The development team has incorporated support to upload several photos on the system for each listing.
As a buyer, I would like to discuss the quotation price with the owner and place a bid on the property	1. I would like to send a message to the owner of the property with a query regarding the quoted price and negotiation. 2.I would like to place my bid on different properties so that I could invest my money for higher returns.			1. The user chat option is enabled, and the seller can receive messages from interested buyers. 2. The property is open for bidding and the seller has posted a starting bid for the same.

STORYBOARD

FAMILY MAN FRANK JEFFERSON

FRANK HAS BEEN WANTING TO BUY A BIGGER HOUSE FOR HIS WIFE, 2 KIDS AND DOG SINCE THE PAST FIVE YEARS. HE FINALLY RECEIVED HIS PROMOTION TO SENIOR MANAGER LAST WEEK AND NOW IT IS TIME TO LOOK FOR A BETTER PLACE FOR HIS FAMILY. FOR THE SAME PURPOSE, HE DECIDES TO VISIT THE MY NEIGHBORHOOD WEBSITE.

EXPECTATIONS

1. is able to filter properties based on his preferences and requirements.
2. is able to compare features between similar properties.
3. is able to reach out to the owners incase of any questions or concerns.
4. has a smooth experience on the website with minimal issues.

THINKING OUT LOUD!

1. The user views the website for the first time in an advertisement on their instagram account.
2. The user gets curious and decides to google search the website.

EXPLORATION

3. The user registers on the website with his details.
4. the user enters his preferences and specifications using the filter that is provided.
5. The user finds various properties of his interests and decides to add them to his favourites.

LET'S CONSULT

6. The user looks at the customer reviews, pictures and other details for the properties he is interested in.
7. He decides to share his findings and observations with his wife.
8. He consults his elder brother for further advice.
9. He further performs google search on his favourite properties.

ZONING IN

10. Decides to contact the owner to further discuss about the properties.
11. Schedules visits to his interested properties with the respective owners.
12. He exchanges numbers with the owner in order to schedule a visit.
13. He notes down his observations regarding each property along with pros and cons.

LET'S DO THIS!

14. After much deliberation, the user decides on a house.
15. He decides to schedule one final visit to the property before confirming his suggestion.
16. Checks out offers and promotions along with various payment options.
17. Using the final offers, he purchases his favourite property using the website.

USE CASE DIAGRAM

WIREFRAMES
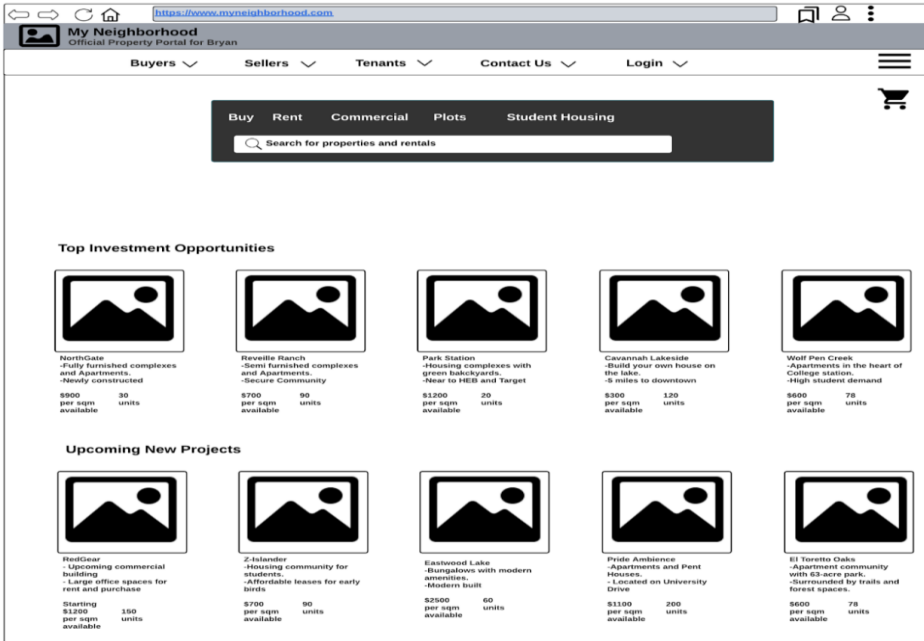
The My Neighborhood homepage shows the user many options that they can choose from while visiting the website.
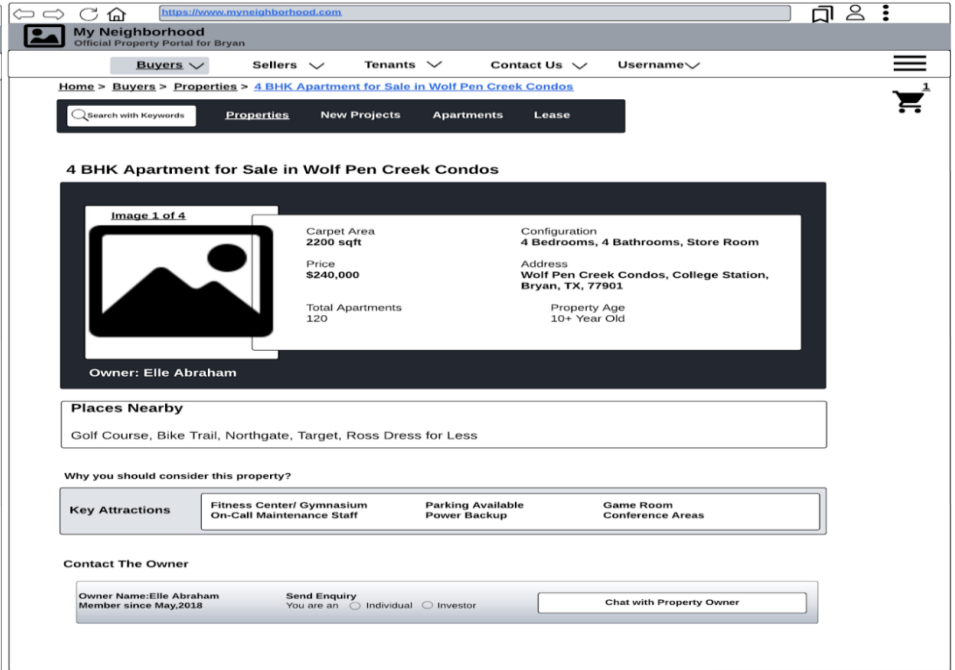
The sign up/login screen makes it easy for the user to login to the application within a few seconds.

WIREFRAMES(CONT.)
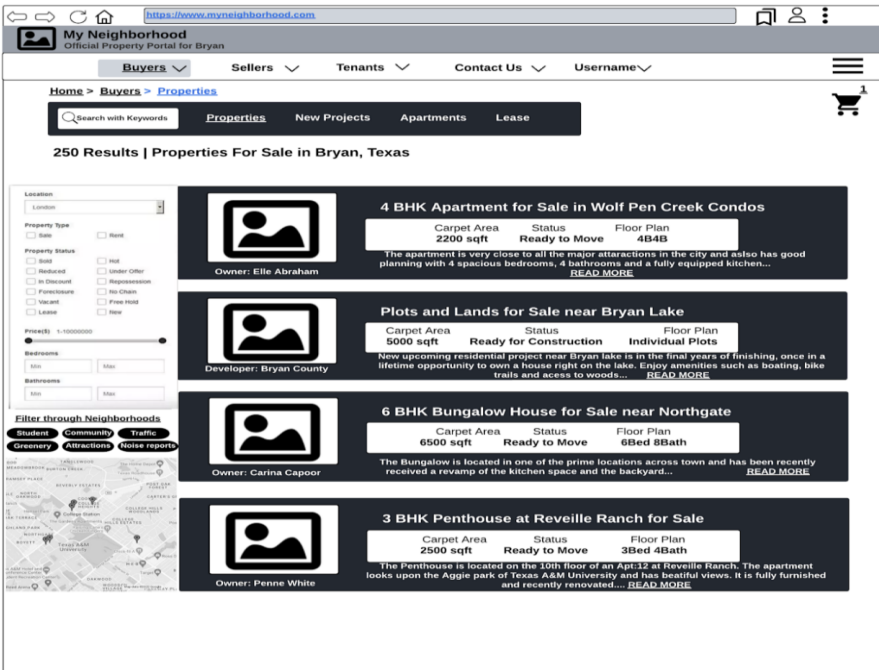
This screen shows the options that the user will be choosing from as a buyer.

The screen shows a sample apartment along with pictures and specifications.

WIREFRAMES(CONT.)

The screen shows the perspective of a seller when they are looking to sell their property.
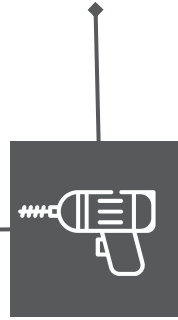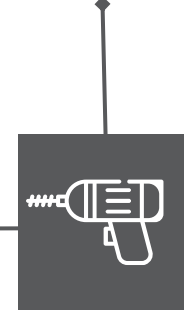
SPRINT JOURNEY

SPRINT 1

(1 MAY,2022-15 JUNE,2022)

SPRINT 2

(16 JUNE,2022-30 JULY,2022)

SPRINT 3

(31 JULY,2022-15 AUGUST,2022)

And still going strong!

SPRINT 1 (1 MAY,2022-15 JUNE,2022)

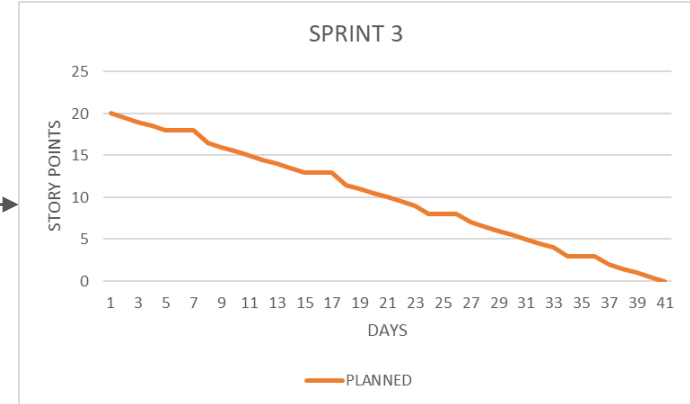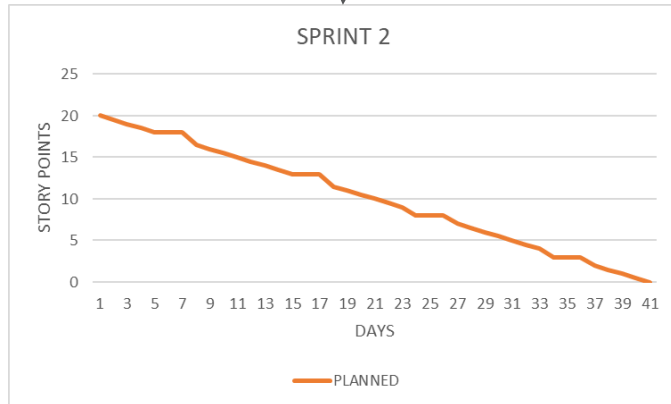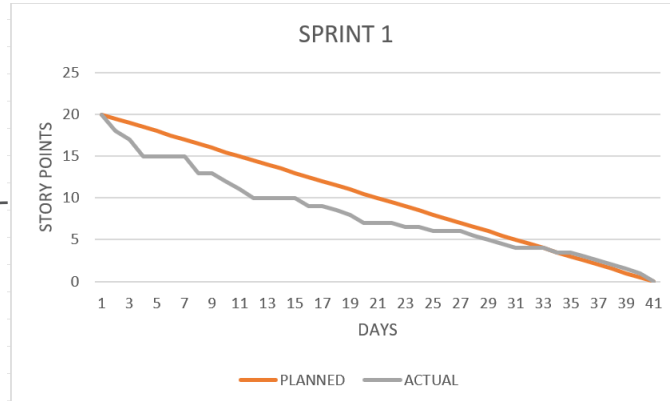| S.NO.	USER STORIES	STATUS	ASSIGNED TO	PRIORITY	STORY POINTS(20)
US1	As a tenant, I would like to be able to login/sign up on the application.	DONE	KATY HOLMES	HIGH	5
US2	As an owner, I would like to be able to sell my property by posting various details about the property such as floor plan, pictures, map views, measurements.	DONE	JAMES GOLDENBERG	HIGH	5
US3	As a tenant, I would like to be able to view properties along with details, ratings, reviews, pictures and map views so that I can make an informed choice.	DEPLOYMENT PENDING	JIMMY FAUX	HIGH	4
US4	As a buyer, I want to view detailed information about each property and surrounding populations including photos, student housing, nearby availabilities	UNDER TESTING	ARCHANA SHARMA	HIGH	4
US5	As a manager, I would like to be able to view/generate and download reports based on various features so that I can track the status of the company financially.	ONGOING	DAVID EIDEN	MEDIUM	2

SPRINT 2(16 JUNE,2022-30 JULY,2022)

S.NO.	USER STORIES	STATUS	ASSIGNED TO	PRIORITY	STORY POINTS(20)
US6	As an owner, I would like to be able to perform cost estimation for my property so that I can get a good price on it.	DONE	KATHERINE JONES	MEDIUM	4
US7	As a manager, I would like to be able to view real time analysis about the company's financial performance	TO BE DEPLOYED	PRATEEK RAO	HIGH	6
US8	As a tenant, I would like to be able to contact owners via a chat box so that i can get my queries and concerns clarified	UNDER DEVELOPMENT	SHIV NAYAK	HIGH	5
US9	As a buyer, I want to sort and select my preferences to filter through properties	PENDING	ALICIA THOMSON	HIGH	5

SPRINT 3 (31 JULY,2022-15 AUGUST,2022)

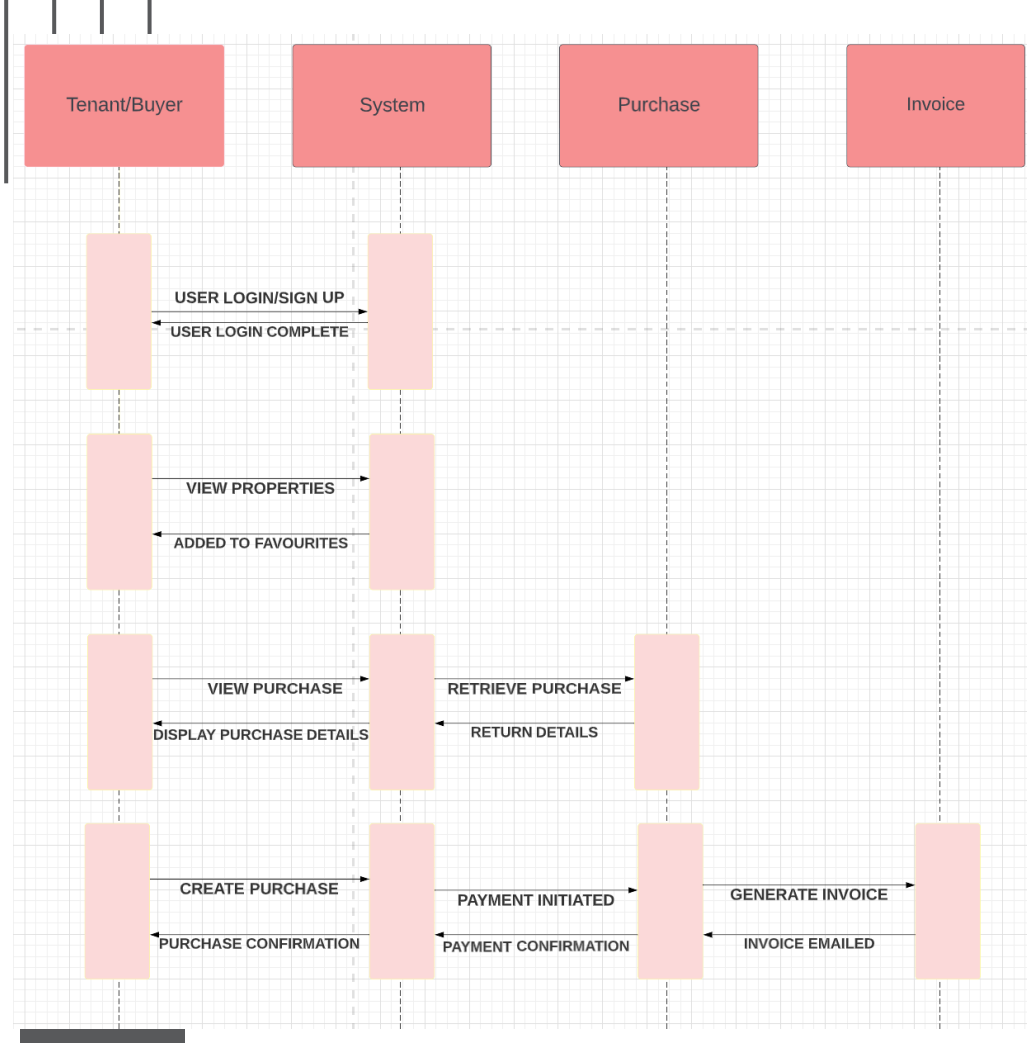| S.NO.	USER STORIES	STATUS	ASSIGNED TO	PRIORITY	STORY POINTS(20)
US10	As an owner, I would like to be able to send quotations to users and track the demand of my property.	PENDING	EMILY SAN	LOW	10
US11	As a buyer, I would like to discuss the quotation price with the owner and place a bid on the property	PENDING	ARCHIE ANDREWS	LOW	10

Burndown Charts

Use Case

Use Case : A customer makes a purchase	ID: UC-1	Priority: HIGH
Actor: Tenant/Buyer		
Description: A tenant/buyer purchases/rents a property using My Neighborhood		
Trigger: The buyer/tenant has moved to Bryan and needs to find a place to stay.		
Type: External		

Preconditions:

- The database is up and running in order to perform transactions.
- The web application is online.
- The user has valid credentials to be able to login to his user account on the web application.

Normal Course:	Information of steps:
1.0 A customer purchases or rents a property on My Neighborhood.	
• The user logs into his profile on the website using username and password.	Username, password
• The user enters his specifications on the filters provided and sees the results of the same.	Rental/purchase, measurements
• The user selects a property and places a bid on the property.	
• The bid is approved and the user goes ahead with making the purchase.	Bid
• The user is then asked to confirm his purchase at the noted price.	
• The user clicks on "confirm purchase".	User confirmation
• The user moves ahead with making a payment.	
• The user makes the payment and an invoice is generated post successful payment.	
• The system removes the property from the list of available properties.	
• The system emails the invoice to the user.	Payment details
• The system updates the user dashboard.	

	Invoice email
Alternative Course:	
1.1 the application is unavailable at the time of booking.	
• The user contacts the helpdesk of the application.	Helpdesk contacted
• The helpdesk makes a note of the issue.	
• The software engineers are notified of the issue.	
• The developers identify the bug and resolve it.	
• The users are already informed about the downtime.	
• The application is brought up again.	
• The users are able to access the application and make the booking.	Downtime information emailed

Post Conditions:

- The customer has purchased/rented an accommodation successfully.
- The system removes the apartment from the list of available apartments.
- The system shares an invoice to the user over email.
- The system updates the user dashboard to show the booking in required places.

Summary Inputs:	Source:	Summary Outputs:	Destination:
Username, password	Customer	User confirmation	System
Rental/purchase, measurements	Customer	Payment details	System
Bid	Customer	Invoice email	System

Sequence Diagram

Tenant/Buyer | System | Purchase | Invoice

USER LOGIN/SIGN UP
USER LOGIN COMPLETE

VIEW PROPERTIES
ADDED TO FAVOURITES

VIEW PURCHASE → RETRIEVE PURCHASE
DISPLAY PURCHASE DETAILS ← RETURN DETAILS

CREATE PURCHASE → PAYMENT INITIATED → GENERATE INVOICE
PURCHASE CONFIRMATION ← PAYMENT CONFIRMATION ← INVOICE EMAILED

Gantt Chart

Product Backlog

Product Backlog

User Story	Story Points
As a user, I would like to be able to login/sign up on the application	5
As an owner, I would like to be able to sell my property by posting various details about the property such as floor plan, pictures, map views, measurements	5
As a tenant, I would like to be able to view properties along with details, ratings, reviews, pictures and map views	4
As a buyer, I want to view detailed information about each property and surrounding populations including photos, student housing, nearby availabilities	4
As a manager, I would like to be able to view/generate and download reports based on various features	2
As an owner, I would like to be able to perform cost estimation for my property so that I can get a good price on it	4
As a manager, I would like to be able to view real time analysis about the company's financial performance	6
As a tenant, I would like to be able to contact owners via a chat box so that I can get my queries and concerns clarified	5
As a buyer, I want to sort and select my preferences to filter through properties	5
As an owner, I would like to be able to send quotations to users and track the demand of my property	10
As a buyer, I would like to discuss the quotation price with the owner and place a bid on the property	10

High Priority

Low Priority