



EECE 571G Blockchain Software
Engineering

House Rental DApp

Group 3

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Presentation Agenda

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Introduction

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Introduction

Blockchain, Ethereum, Smart Contract & DApp

Introduction

1

Blockchain

- storage, transaction tracking without central authority

2

Ethereum

- blockchain-based platform
- solidity

3

Smart Contract

- executes/enforce predefined terms of a contract

4

Decentralized Application (DApp)

- smart contracts on ethereum

Benefits of DApp

1

Safer Data

2

Open Source

3

Transparent data

4

Less Downtime

5

Cost Reduction

User Interface Design

User Interface

1

Sign up/in page

- Sign Up/In component

2

Tenant page

- TenantBackground component

3

Landlord page

- HouseInfo component
- TenantBackground component


Sign up

 Username

 Password

 Phone

 Email

Please select your user type 



SIGN UP

Already A Member ?

You can simply log in with your other platform account, we recommend using
Wechat account.

 SIGN IN

New here ?

Join our wonderful community and enjoy our services by signing up below!

 SIGN UP

Sign in

 Username

 Password



LOGIN



[Home](#) [Houses](#)

[My Background](#)

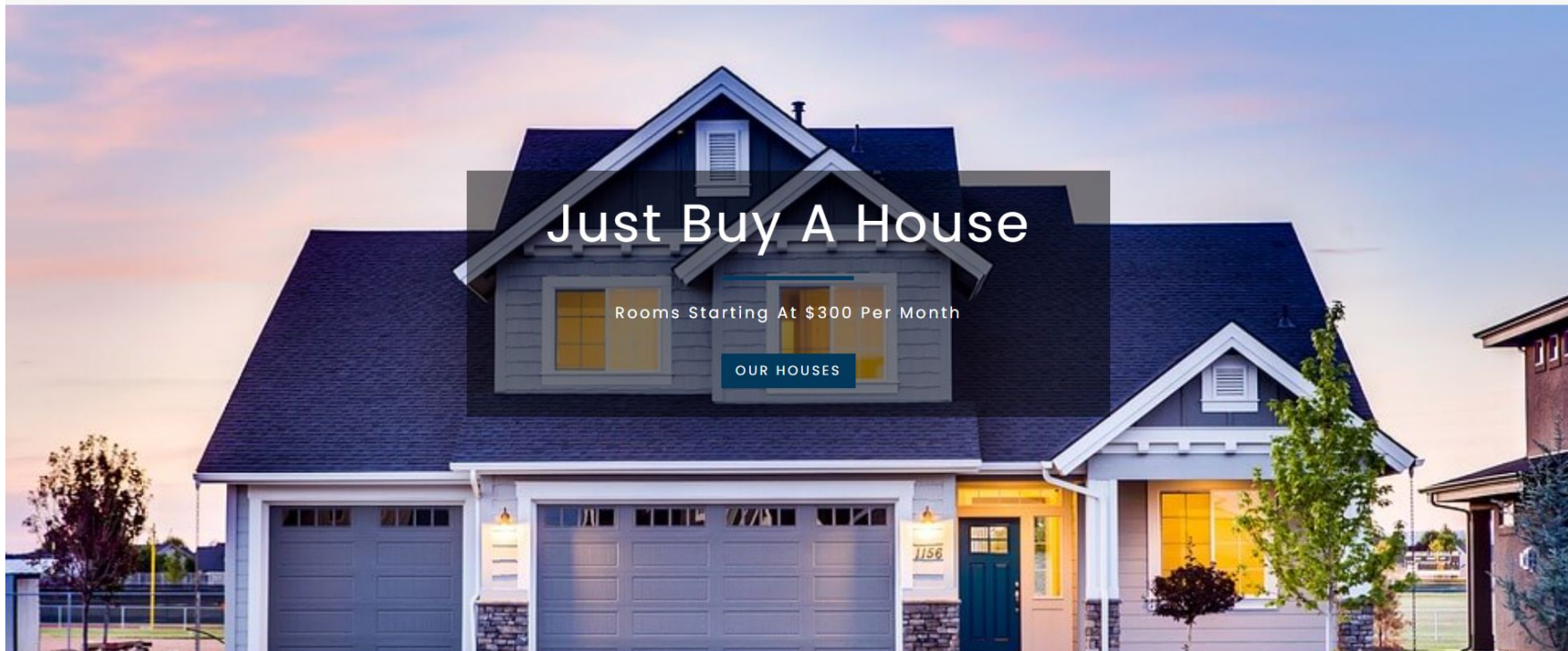
[Sign Agreement](#)

[Hi Gg !
\(Tenant\)](#)

Just Buy A House

Rooms Starting At \$300 Per Month

OUR HOUSES





[Home](#) [Houses](#)

[My Background](#)

[Sign Agreement](#)

Hi Gg !
(Tenant)

Please Add/Edit Your Personal Background

Details

please close the UBC and have 2 bedrooms
with 1 kitchen



[Go Back](#)

Info

Age

24

Income

25000

Male

true/false

[Submit](#)



[Home](#) [Houses](#)

[My Background](#)

[Sign Agreement](#)

[Hi Gg !
\(Tenant\)](#)

Our Rooms

[RETURN HOME](#)

Houses





[Home](#) [Houses](#)

[My Background](#)

[Sign Agreement](#)

[Hi Gg !
\(Tenant\)](#)



Description

This House Is Located In The Center Of Vancouver, With Gorgeous Seaview And With Amazing Infrastructures Around, Such As T&T And Superstore. Plus It's Close To UBC :)

Info

Rent : \$666

Period : Immediately Available For Upto 6 Months

Address : Marine Gateway 46, Vancouver, BC

Availability : Yes

[EXPRESS INTEREST](#)



[Home](#) [Houses](#)

[My House](#)

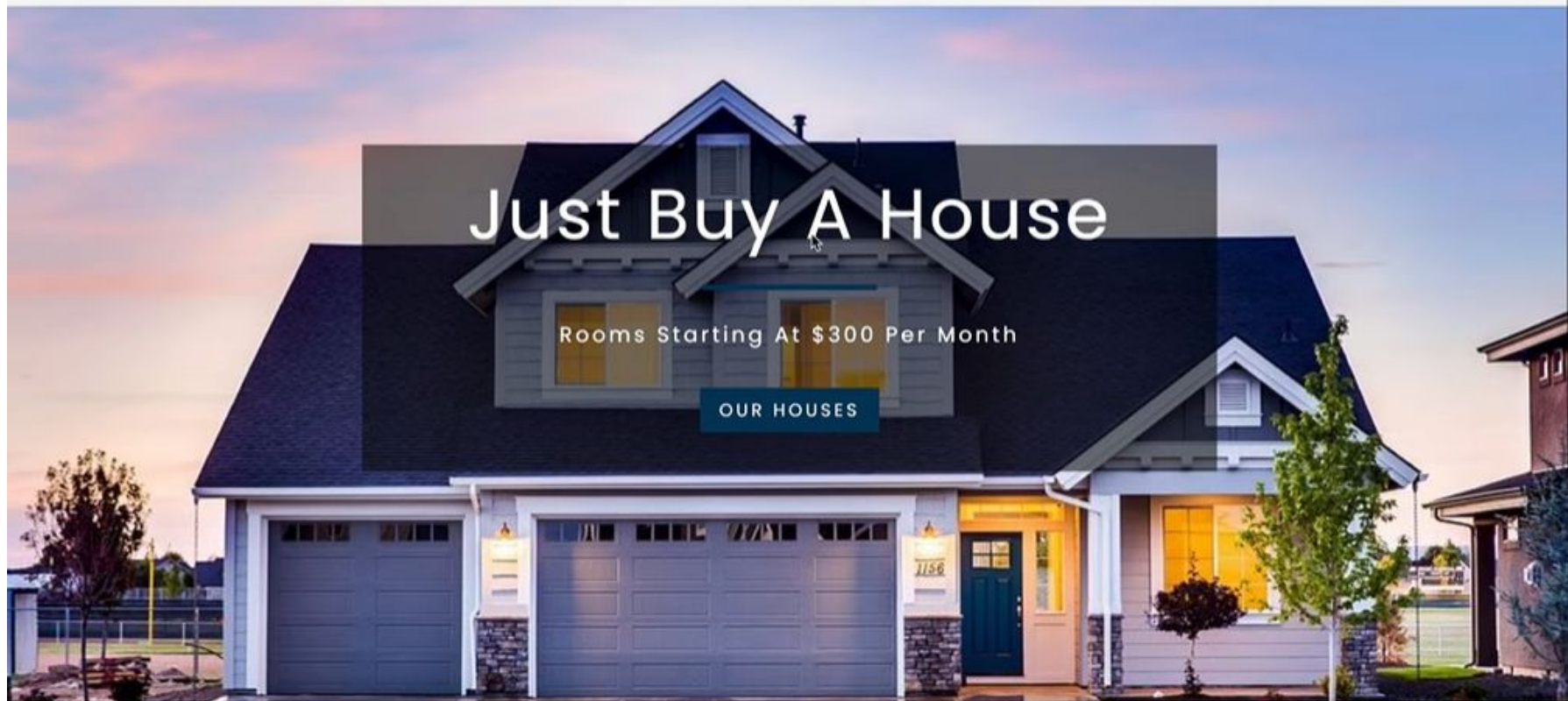
[My Tenants](#)

[Hi Amanda !
\(Landlord\)](#)

Just Buy A House

Rooms Starting At \$300 Per Month

OUR HOUSES





Please Add/Edit Your House Information

Details

Hi, this is my house @ 1234 W 1st Avenue.

Go Back

Info

Rent

\$2000

Period

06/2022

Address

1234 W 1st Avenue

Available

true

Submit

[Home](#)[Houses](#)

Successfully sent your contract to this tenant

OK

[House](#)[My Tenants](#)

Hi Amanda !
(Landlord)

Hart



Sex: Male

Phone: 7785228936

Email: h1252048694@126.com

Age: 22

Income: 120000

Self-Introduction: Hello, this is Hart

LOADING



[Home](#) [Houses](#)

[My Background](#)

[Sign Agreement](#)

[Hi Hart !
\(Tenant\)](#)

Amanda



You have a new agreement.

Landlord's phone: 0123456789

Landlord's email: amanda@gmail.com

[SIGN AGREEMENT](#)

[CANCEL MATCH](#)



Amanda

You have a new agreement.

Landlord's phone: 0123456789

Landlord's email: amanda@gmail.com



Residential Tenancy Agreement

Important Notes:

#RTB-1

The Residential Tenancy Branch (RTB) is of the opinion that this Residential Tenancy Agreement accurately reflects the Residential Tenancy Act (RTA) and accompanying regulations. The RTB makes no representations or warranties regarding the use of this Agreement. A landlord and tenant may wish to obtain independent legal advice regarding whether this agreement satisfies their own personal or business needs. For the rental of a manufactured home and a manufactured home site under a single tenancy agreement, use this Agreement form. For the rental of a manufactured home site use the Manufactured Home Site Tenancy Agreement (form RTB-6).

The words tenant and landlord in this tenancy agreement have the same meaning as in the RTA, and the singular of these words includes the plural. In this tenancy agreement, the words residential property have the same meaning as in the RTA. Residential property means a building, a part of a building or related group of buildings, in which one or more rental units or common areas are located, the parcel or parcels on which the building, related group of buildings or common areas are located, the rental unit and common areas and any other structure located on the parcel or parcels.

IF ADDITIONAL SPACE IS REQUIRED TO LIST ALL PARTIES, complete and attach Schedule of Parties (form RTB-24) RTB-24 used & attached: ☐

RESIDENTIAL TENANCY AGREEMENT between: (use full, correct legal names)

the LANDLORD(S): (if entry for landlord is a business name, use the "last name" field box to enter the full legal business name)

<input type="text"/>	<input type="text"/>
last name	first and middle name(s)
<input type="text"/>	<input type="text"/>
last name	first and middle name(s)

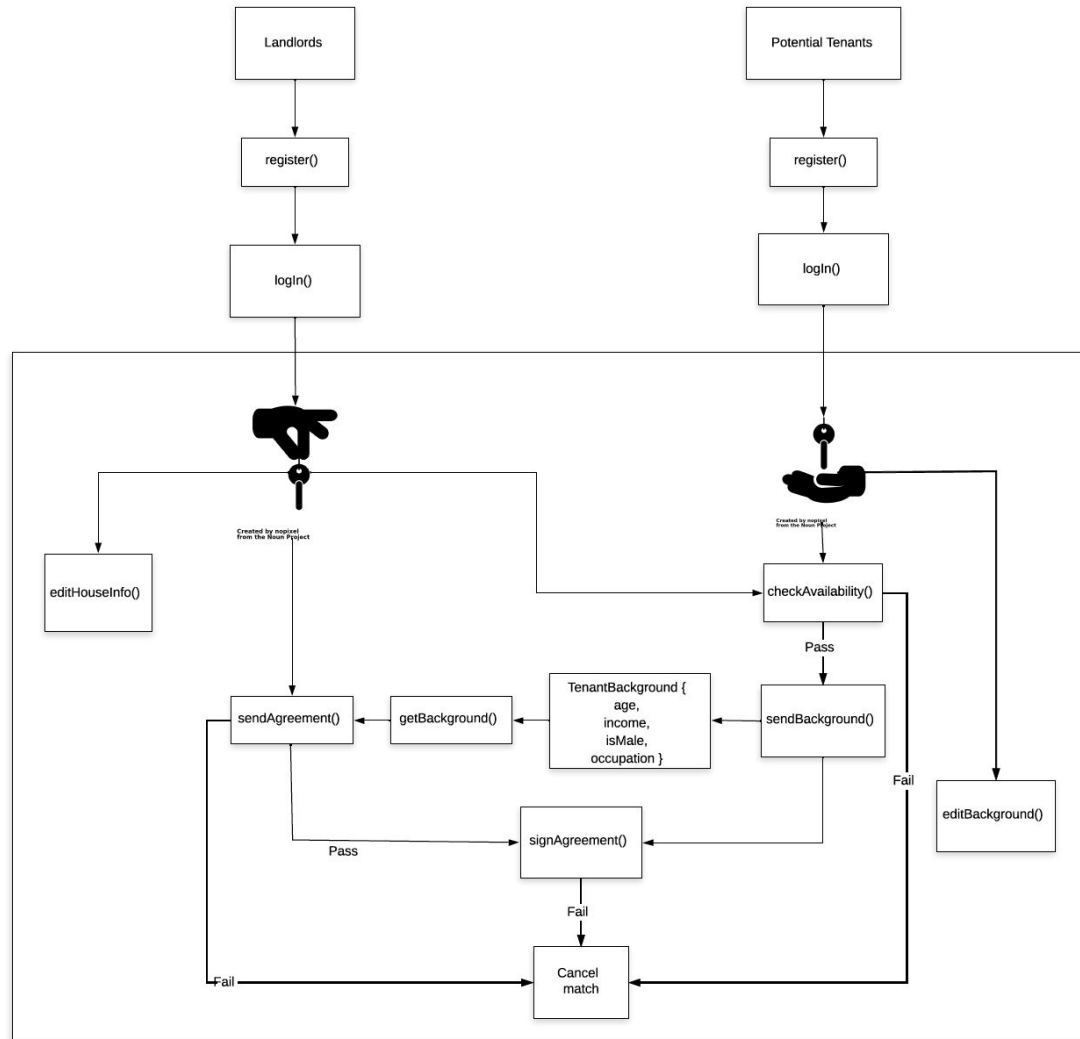
and the TENANT(S):

<input type="text"/>	<input type="text"/>
last name	first and middle name(s)
<input type="text"/>	<input type="text"/>
last name	first and middle name(s)

<input type="text"/>	<input type="text"/>
(optional) phone number	(optional) other phone number

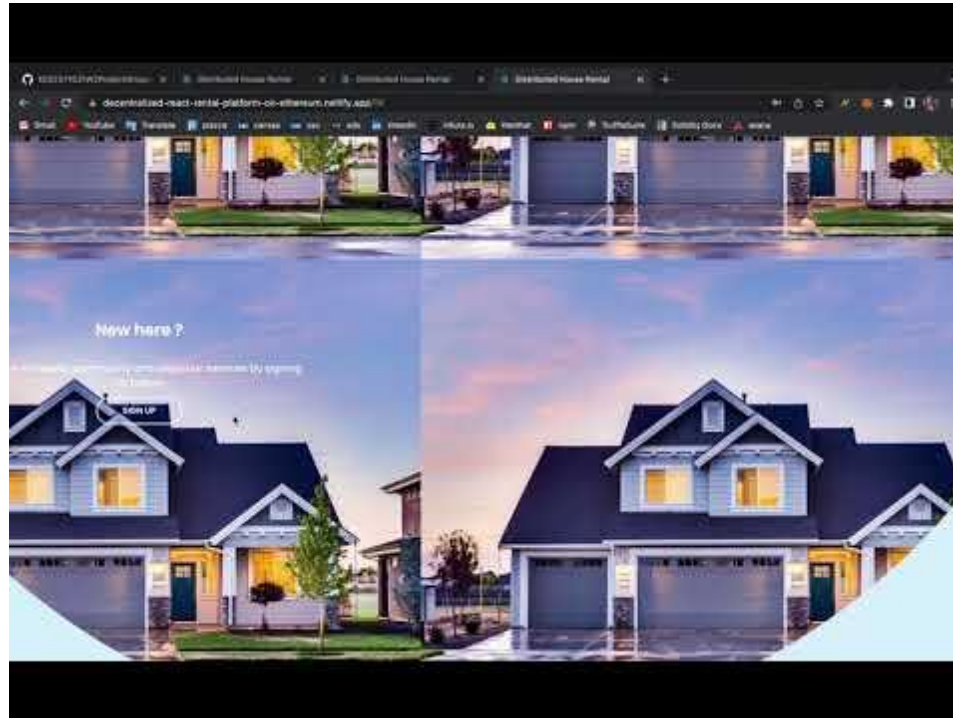
LOADING

Smart Contract



Project Demo

Demo



<https://github.com/EECE571G21W2ProjectGroup3/TermProject>



Questions Are Welcome