

# NestReady buyer pipeline

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# Design process

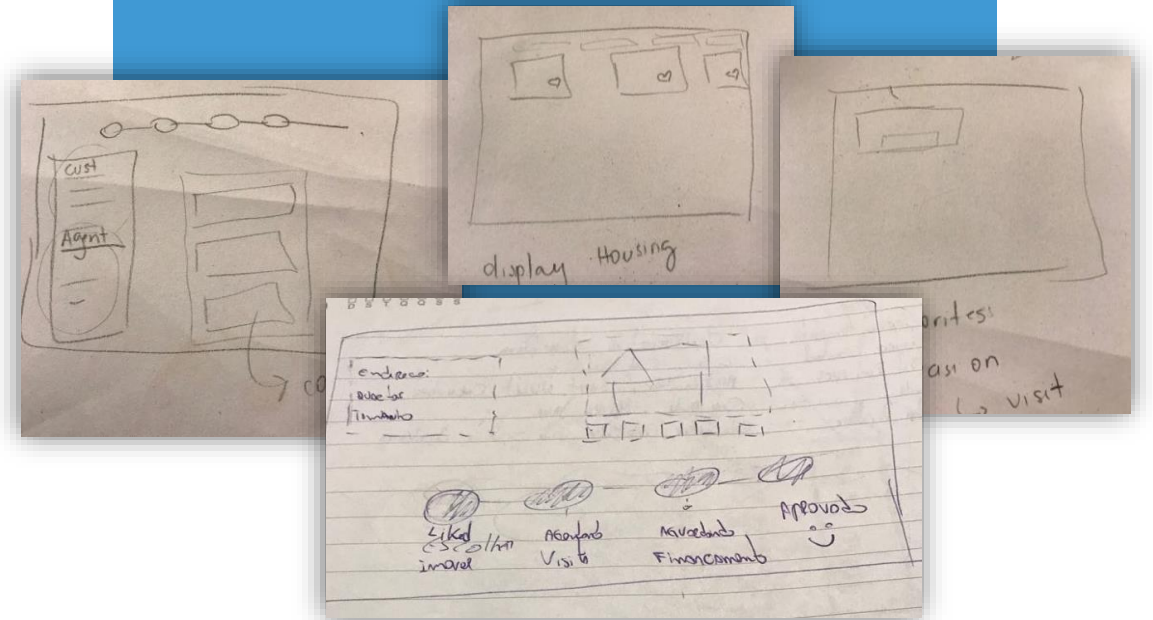
## Empathize and Define phase

We care about user journey to find a place to live and take ownership of the process.

After a **brainstorm**, we proposed a way to user understand and follow up the scheduling visit and mortgage process mortgage process.

## Ideate phase

First, we created a low-fidelity prototype and we defined the user flow.



# Design process

## Prototyping


We created interactive prototype  
using Figma, Photoshop and  
Illustrator.

Feel free to visit our interactive prototype:

<https://www.figma.com/proto/OdGq8vRG8TZfgVRCkCjeQciY/Untitled?node-id=9%3A2690&viewport=261%2C260%2C0.0864703&scaling=contain>


NestReady

HomeFavoritesMortgage status




\$52,000

Schedule a visit




\$63,000

Schedule a visit




\$131,000

Schedule a visit




\$37,000

Schedule a visit



\$82,000

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\$57,000

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Mortgage process

Mortgage approved

Hey Julia!

Welcome to your homebuying process. In the right side, you can find updates about your process.

Start date process: 03/24/2019


Estimated date to next step: 03/31/2019

Your real estate agent:

Luis Smith

luissmith@nestready.co

613-555-0178



Luis, I loved the house, please follow the process.

Visit scheduled.

Julia, you selected a date to visit the house. If you have any question, please post here

Luis Smith:

Hi Julia, I will call you to give you more details about your process. Regards, Luis.

The real estate agent, Luis Smith, will start your homebuying process. If you already have any question, please post a question in the top.

Congratulations!

You selected house to buy. Soon a good real estate agent will contact you.

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Julia:

Luis, I loved the house, please follow the process.

Julia, you have one more day to tell us your decision.

Luis:

Hey Julia, you have 3 days to tell us if you like the house. Then, we can go to mortgage process.

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Julia, you selected a date to visit the house. If you have any question, please post here

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# Development

## Frontend

The frontend was developed using  
Angular 7, NodeJS, Typescript,  
CSS3, HTML5, and Visual Studio  
Code

Frontend part:

[vanhack-front.cloud.org](https://vanhack-front.cloud.org)

<https://github.com/marinacrachi/vanhack-front>

# Development

## Backend

The backend was developed using  
SpringBoot, JPA, H2 database

Backend part:

[vanhack-api.cloud.org](https://vanhack-api.cloud.org)

<https://github.com/rssarto/real-state-seller-app>

# Devolopment

## Devops

Two EC2 Instances running Red Hat Enterprise Linux, on both docker and kubernetes was installed one host acting as Master node and other one working as Worker node.

All elements from CI/CD pipeline is running as containerized process, building, testing and deploying the backend Application.

Both backend and frontend are running in container process managed by Kubernetes platform.

### Devops Pipeline technology

- Jenkins
- Continuous Integration Gihub
  - SCM SONAR
  - Code analysis docker
- Generate container images
  - Kubernetes
- Container managemant platform

# Installation

Before accessing correctly the application is necessary add some information at your hosts.

## **If using Windows**

Add at

c:\Windows\System32\Drivers\etc\hosts the following line:

```
18.228.150.147 vanhack-front.cloud.org api.cloud.org
```

## **If using Linux/MAC**

Add at

/etc/hosts the following line

```
18.228.150.147 vanhack-front.cloud.org api.cloud.org
```