

Wish Where is Home

Projeto em Informática

Milestone 2: Elaboration phase
Group 7



deti

universidade de aveiro
departamento de eletrónica,
telecomunicações e informática





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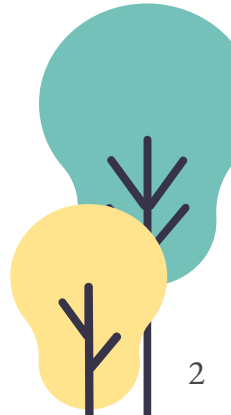
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Dates and tasks for the project



THE TEAM



Cristiano Nicolau
DBAdmin



Gonçalo Lopes
DevOps



Joana Gomes
Product Owner



Miguel Miragaia
Team Leader



Tiago Cruz
SCRUM master



Vasco Faria
Architect



Professor José Moreira
Advisor

CONTEXT AND STATE OF THE ART

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**HEALTH**

Health services, Water quality,
Pollution

**EDUCATION**

Schools and Access to
education

**ENTERTAINMENT**

Leisure places and
cultural events

**ENVIRONMENT**

Green spaces and
access to natural
resources

Goal: Integrate indicators into our platform to offer a comprehensive perspective on quality of life, adjustable to individual preferences.

Challenges: Free data limitations; prioritization based on questionnaires.

Impact: Facilitate the choice of areas of residence based on a detailed and personalized assessment of quality of life.

	Idealista	Imovirtual	ERA	Zillow	Realtor	WisH
Physical aspects of the property	✓	✓	✓	✓	✓	✓
Choose district/ municipality from the map	✗	✗	✗	✗	✗	✓
View	✗	✗	✗	✓	✓	✓
Establishments nearby	✓	✓	✓	✓	✓	✓
Parking spaces	✗	✗	✓	✓	✓	✓
GreatSchool Ranking	✗	✗	✗	✗	✓	✓
Air quality, fire risk factor, floods	✗	✗	✗	✗	✓	✓
TransitScore, BikeScore or WalkScore	✗	✗	✗	✗	✗	✓
Portuguese	✓	✓	✓	✗	✗	✓

REQUIREMENTS GATHERING

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QUESTIONNAIRE

86 responses

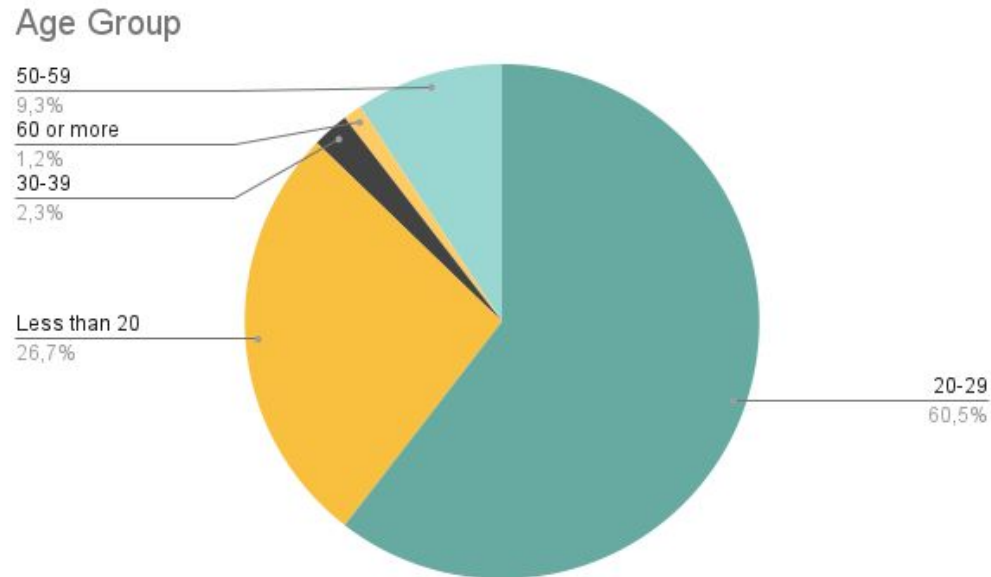


Figure 1 - Age Group

QUESTIONNAIRE

How difficult did you find your experience when searching for residency in an unknown area? *

Very Easy 1 2 3 4 5 Very Difficult

☐ ☐ ☐ ☐ ☐

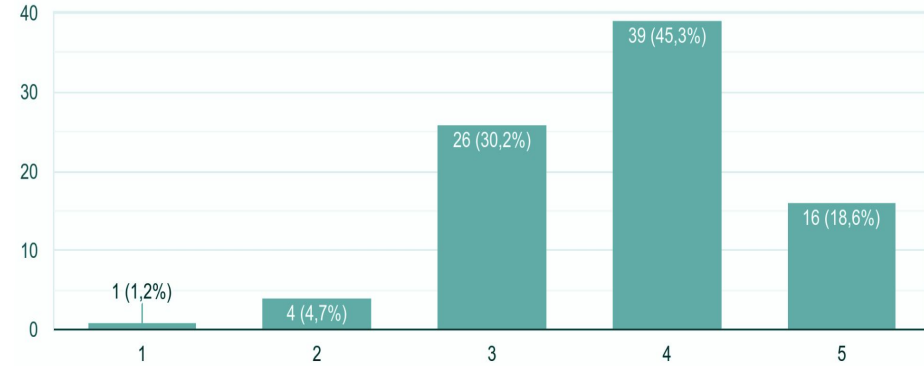


Figure 2 - Difficulty

Overall satisfaction with the real estate search apps/websites? *

Very Unsatisfied 1 2 3 4 5 Very Satisfied

☐ ☐ ☐ ☐ ☐

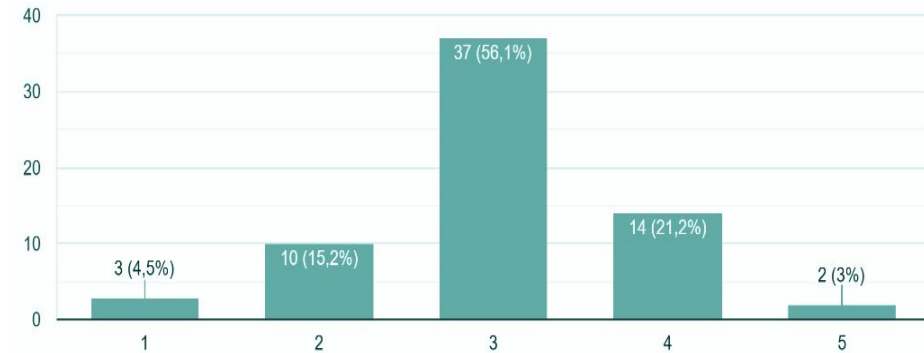


Figure 3 - Overall Satisfaction

QUESTIONNAIRE

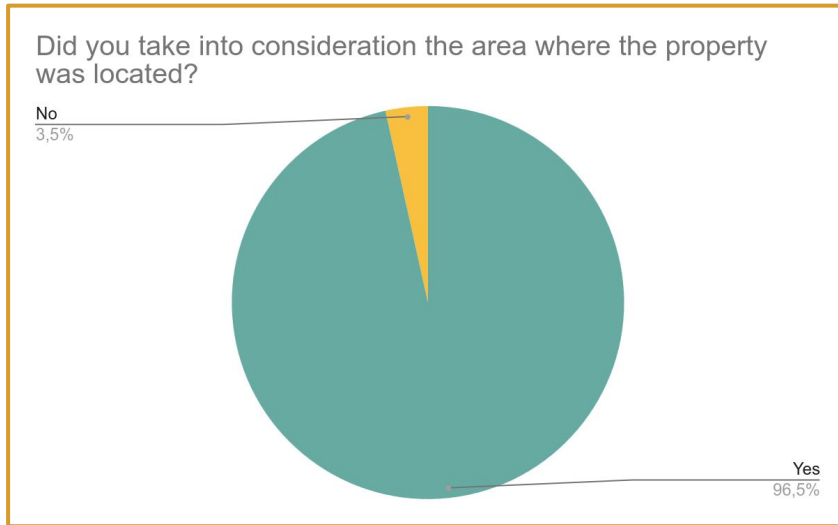


Figure 4 - Area Consideration

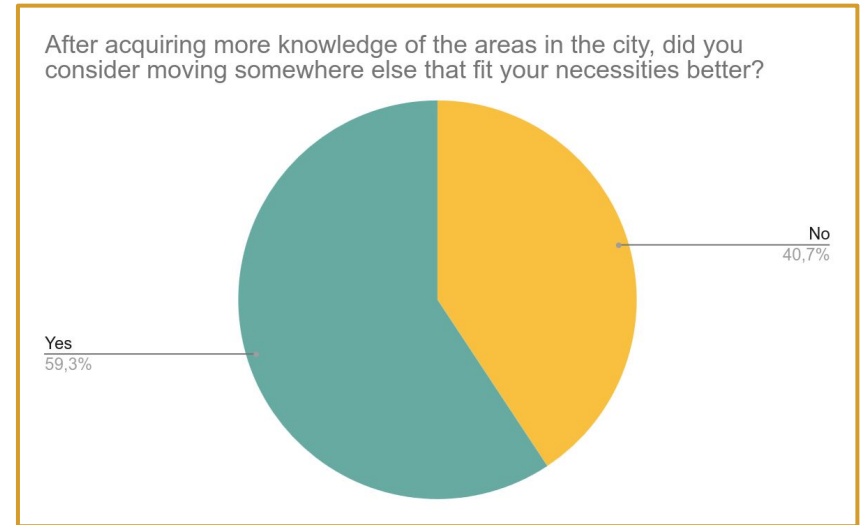


Figure 5 - Move Areas

QUESTIONNAIRE

What are the biggest challenges you've encountered when searching for housing?

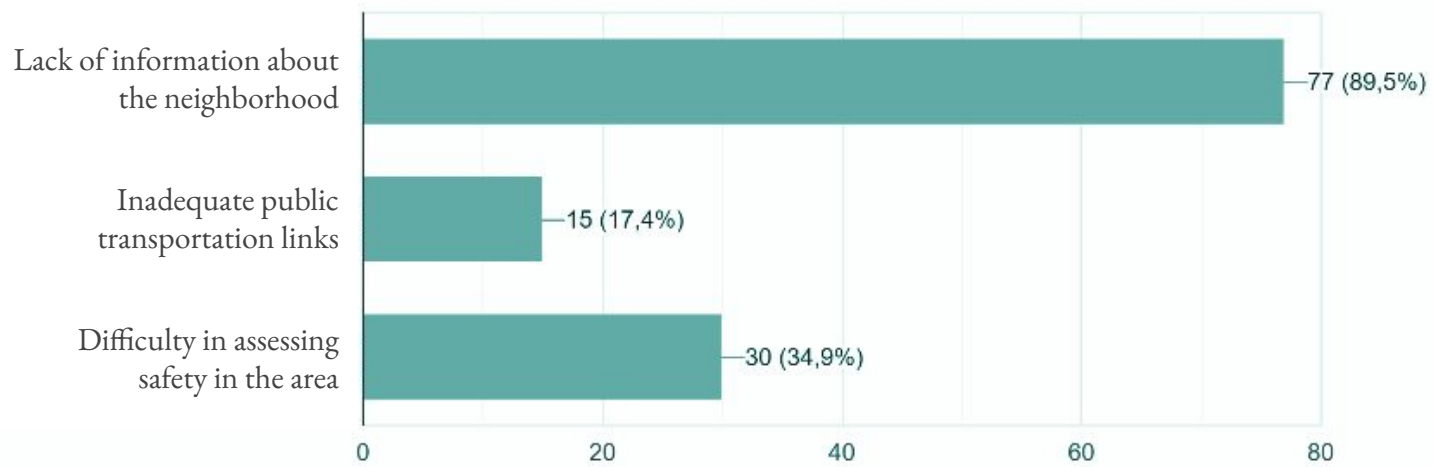


Figure 6 - Challenges

QUESTIONNAIRE

How important are the following factors in choosing the area/community where you want to live?
(1-Not Important / 5-Very Important)

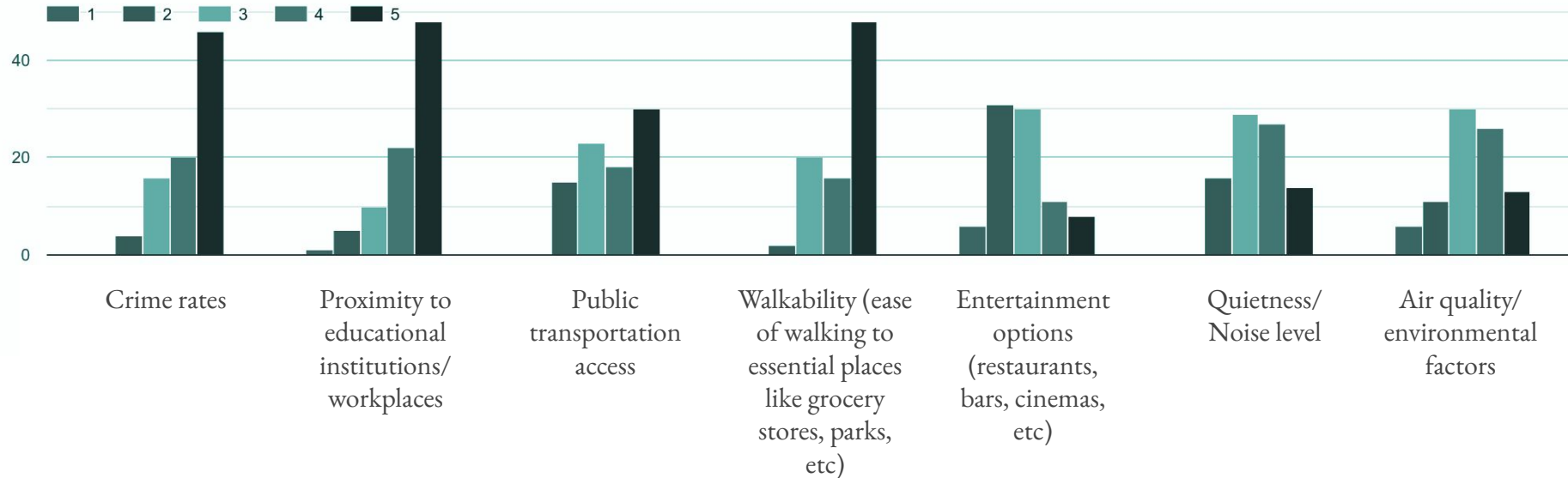


Figure 7 - Choosing Factors

QUESTIONNAIRE

What do you consider essential knowing about the area when deciding on a property?

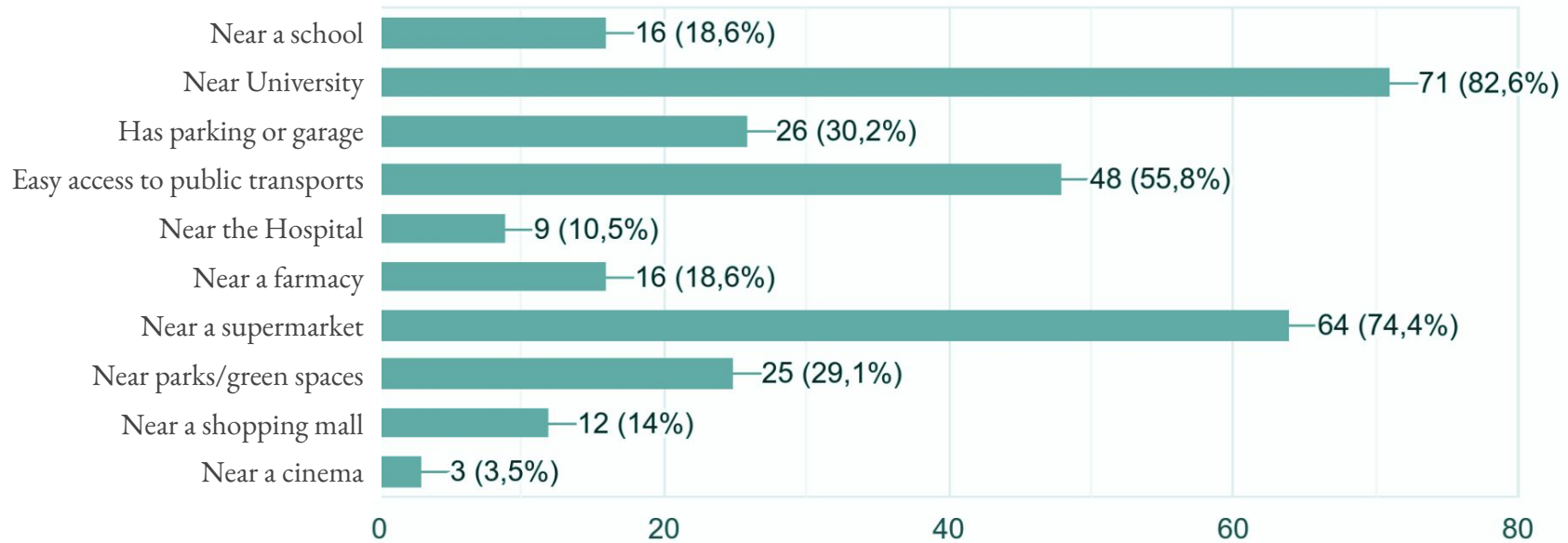


Figure 8 - Essential Requirements

QUESTIONNAIRE

How important is it for you to have detailed information about the surrounding area (e.g., Walk Score, Transit Score, community reviews) when searching for a place to live?
(1- Not Important/5-Very Important)

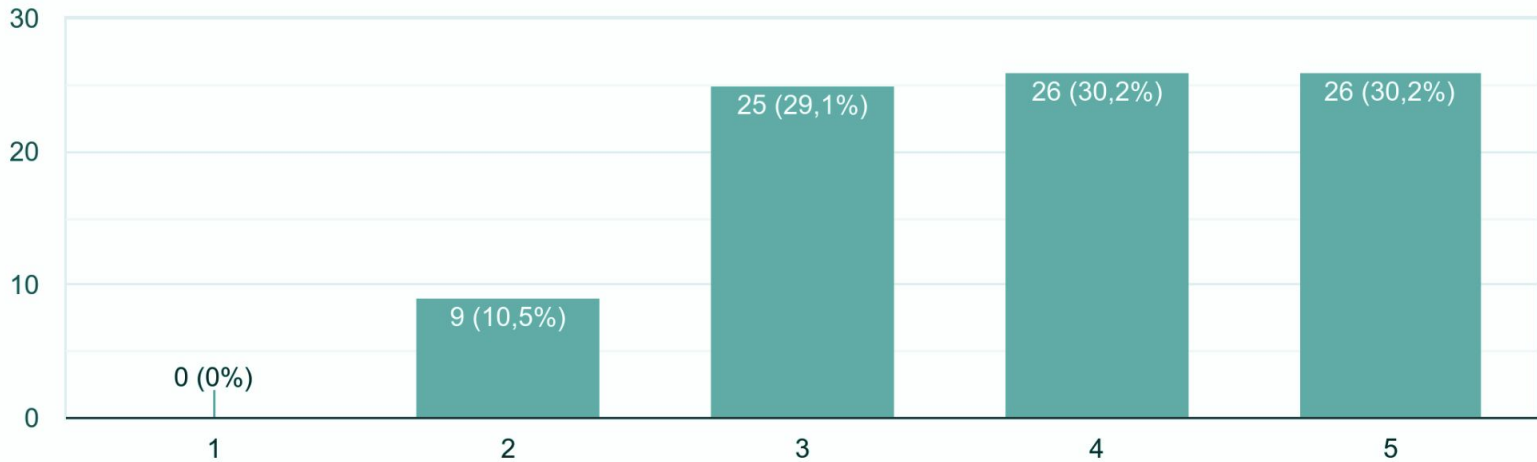


Figure 9 - Detailed Info Scale



QUESTIONNAIRE

Important aspects in the **selection of a habitation area** that were mentioned:

- Infrastructure for electric vehicles
- Feedback from the landlord and tenants
- Accessibility for pedestrians
- How old the buildings are
- Quality and transparency of the house listings
- Energetic efficiency and natural light of the house
- Internet quality
- Good prices
- Neighborhood quality



QUESTIONNAIRE

Do you take note of anything **lacking** or any **missing aspects** in the real estate applications/websites?

- Trustworthiness and quality of the adverts
- Contact information
- Specific tools for students
- Interface and process personalization and updates
- Detailed information about the location

QUESTIONNAIRE

Real estate search applications or websites mentioned

- Idealista
- Facebook
- OLX
- Bquarto
- Imovirtual
- Uniplaces
- SuperCasa
- CustoJusto
- ERA



ACTORS & USE CASES

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ACTORS



Users → Anyone looking to acquire a property or helping someone in this task



Property sellers → Real Estate agencies/agents or individual sellers

USE CASES DIAGRAM

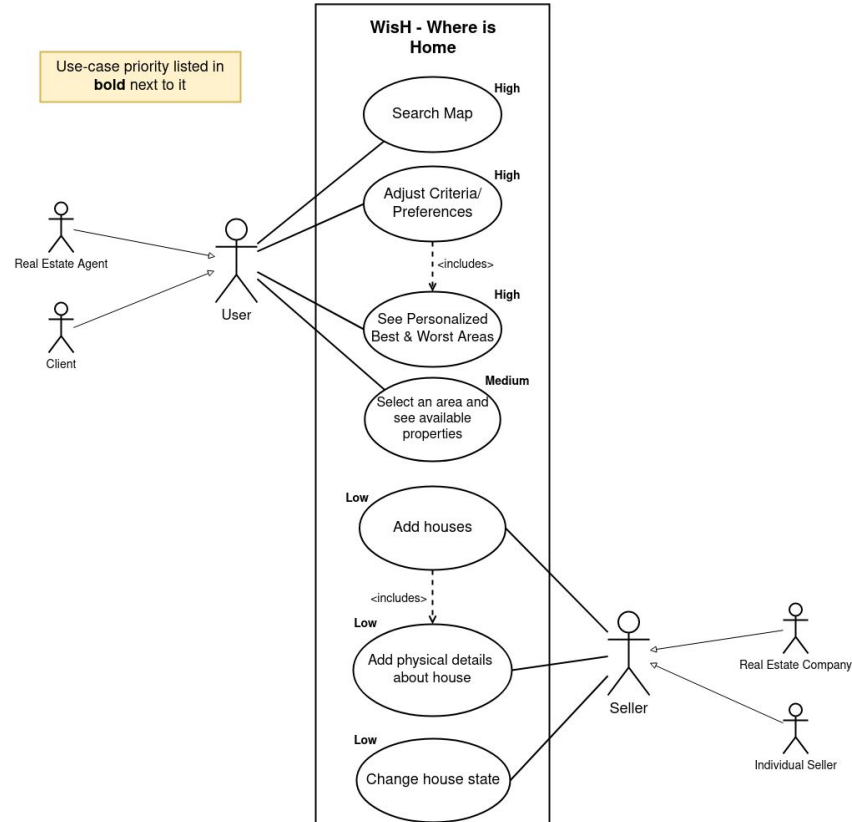


Figure 10 - Use Cases

PERSONAS



Name: Ricardo Pereira Ferreira

Age: 39 years old

Sex: Male

Job: Electrician

Marital Status: Married

Location: Aveiro, Aveiro, Portugal

SCENARIOS

Scenario I Ricardo is a client looking for a new house to buy. He's already got a registered account in the system and wishes to explore the available options based on his personal preferences and evaluation metrics.



SCENARIOS



PERSONAS

Name: Paula Vieira Marques

Age: 43 years old

Sex: Female

Job: Real Estate Agent

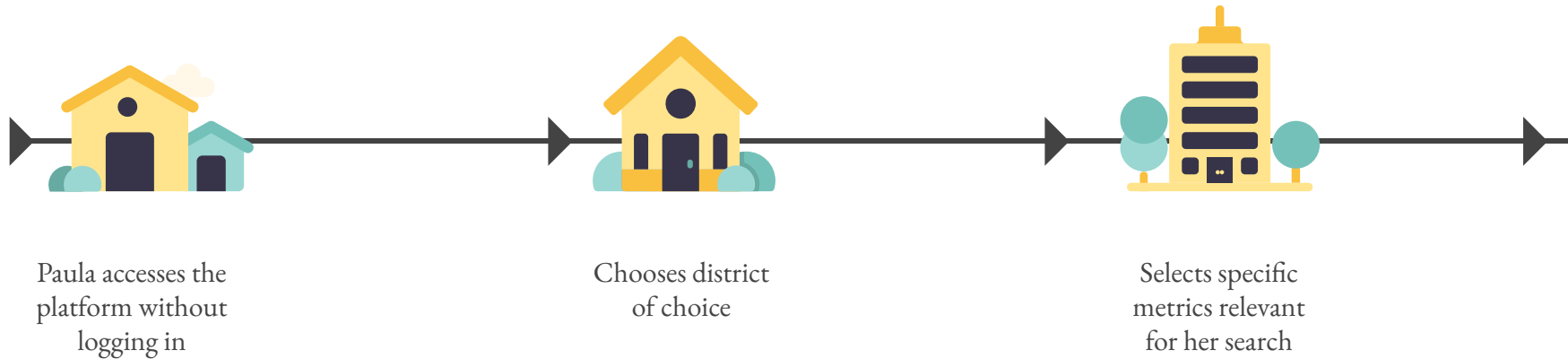
Marital Status: Married

Location: Aveiro, Aveiro, Portugal

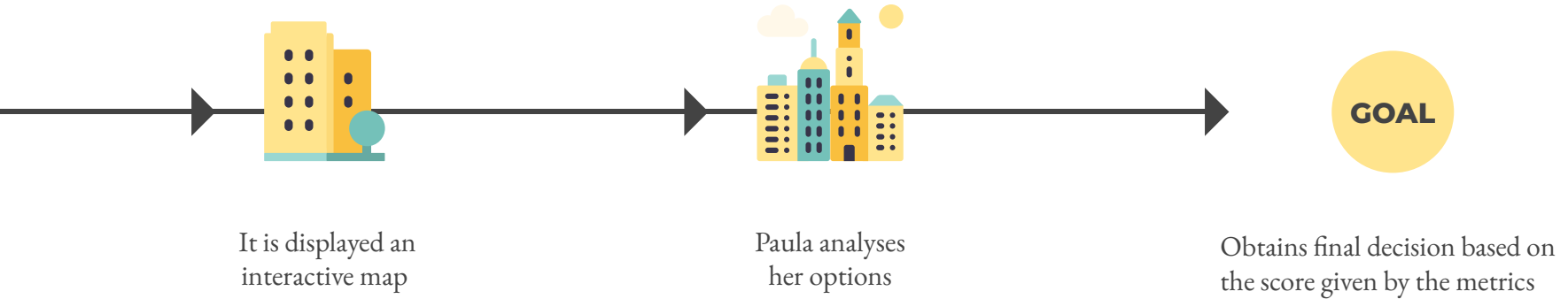


SCENARIOS

Scenario 2 Paula, an experienced real estate agent, is interested in using the platform to identify new properties that can meet her clients' needs. Although she has the option to create an account, she decides to use the login-less platform to perform a quick search.



SCENARIOS



FUNCTIONAL & NON-FUNCTIONAL REQUIREMENTS

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Non-functional Requirements



Performance: Response Time & Scalability



Security: Authentication and authorization & Data protection



Usability: Ease of use



Maintainability

Functional Requirements

A **Client** should be able to:

- Login/Register
- Manage account details
- Manage personal preferences
- Interact with and filter the evaluation metrics
- View results based on the metrics

A **Seller** should be able to:

- Login/Register
- List properties for sale
- Add property details
- Upload photos/videos



SYSTEM ARCHITECTURE

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ARCHITECTURE

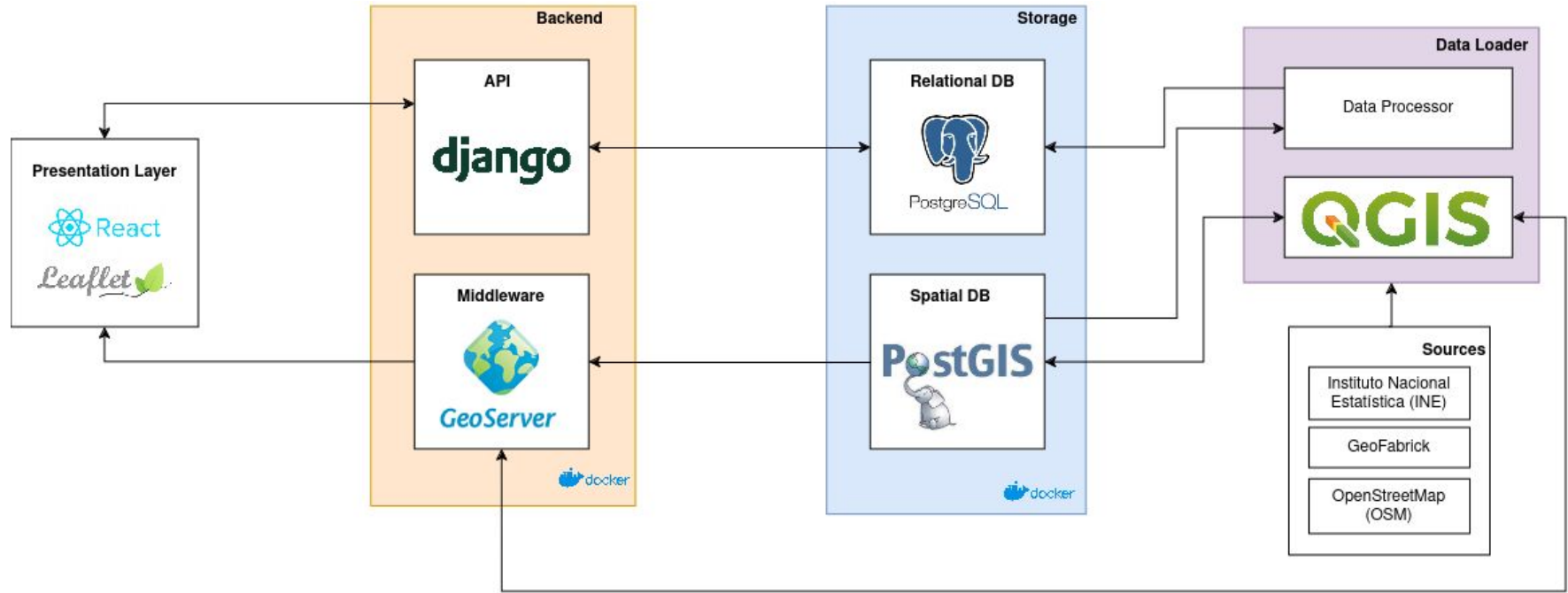


Figure 11 - Architecture

DOMAIN MODEL

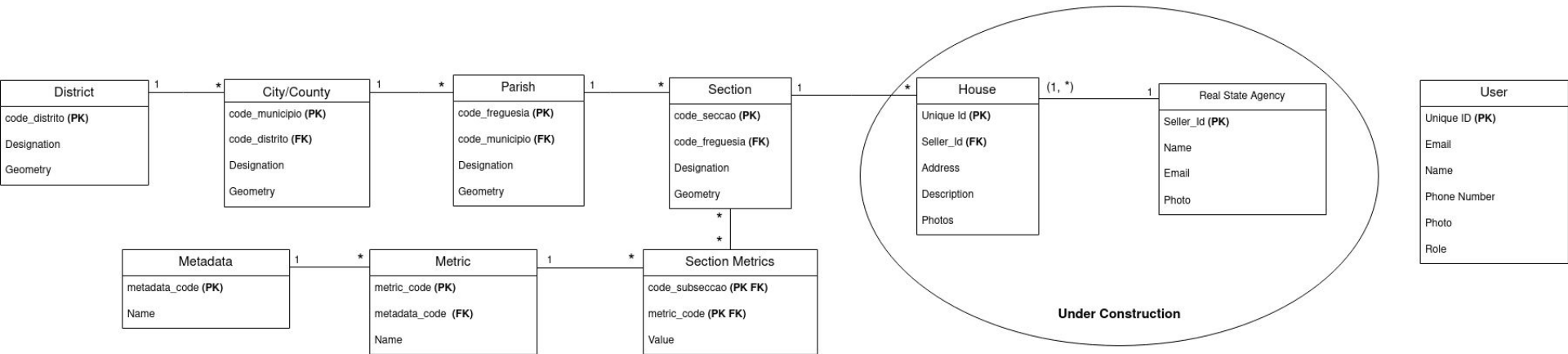


Figure 12 - Domain Model

MOCK UP

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MOVE TO NEW YORK

Find your perfect spot in New York City

1 General Info
General Info about you

2 Locations of Interest
Enter your daily route

3 Finished
View the results of your search

How old are you?

☒ under 25 ☐ 25 to 35 ☐ 36 to 50 ☐ over 50

Please answer the following questions

☐ Do you have children? ☐ Are you a student

☐ Do you own a car? ☐ Do you have a dog?

☐ Do you do outdoor sports? ☐ Do you use the subway often?

☐ Do you like nature?

Do you prefer an quiet or an vibrant area?

☐ I prefer quiet areas ☒ I don't care ☐ I like vibrant areas

How important are rental prices for you?

☐ Money is a big concern ☒ It should not be overly expensive ☐ Money is no problem

Do you want to live near the city center?

☐ I prefer to live away from the center ☒ I don't care ☐ I prefer to live central

Do you have specific boroughs that you want to live in?

☐ Queens ☐ Brooklyn

☐ Manhattan ☐ Bronx

☐ Staten Island


Next Step





Move to New York

Find your perfect spot in New York City

**General Info**
General Info about you

2 **Locations of Interest**
Enter your daily route

3 **Finished**
View the results of your search

Locations of Interest

Let us know what places you usually visit during a day. This will help us to search a place that is not too far from your daily visited places.

+

-

You start your day home.

Home

Then you visit these places.

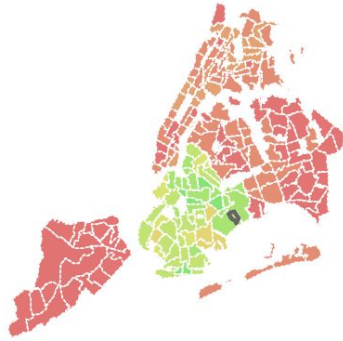
Add Place

After a long day you head back home.

Home

Next Step





Results

West Brighton
Brooklyn

Prospect Heights
Brooklyn

Crown Heights South
Brooklyn

Brownsville
Brooklyn

Brighton Beach
Brooklyn

Stuyvesant Heights
Brooklyn

Bedford
Brooklyn

Cypress Hills-City Line
Brooklyn

Clinton Hill
Brooklyn

**DUMBO-Vinegar Hill-
Downtown Brooklyn-
Boerum Hill**
Brooklyn

**Prospect Lefferts Gardens-
Wingate**
Brooklyn



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Select a District:

Portugal



If you still don't know a district, select Portugal.

Search



Where the lifestyle meets the perfect location!



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Aveiro

Tell us what you are looking for

What is your date of birth?

12/03/2003

Do you prefer an quiet or an vibrant area?

I prefer quit areas



I dont care



I like vibrant areas



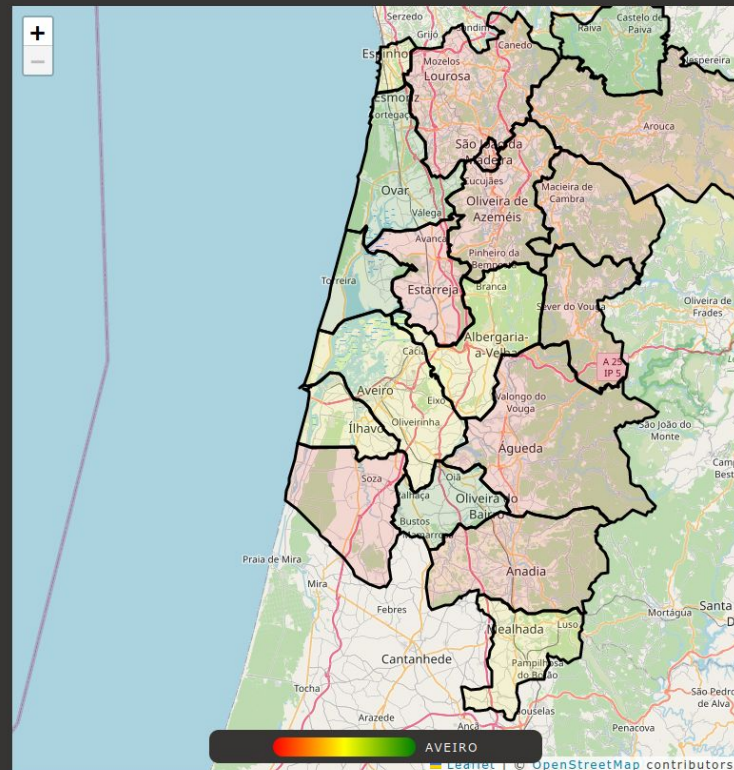
Walk Score:

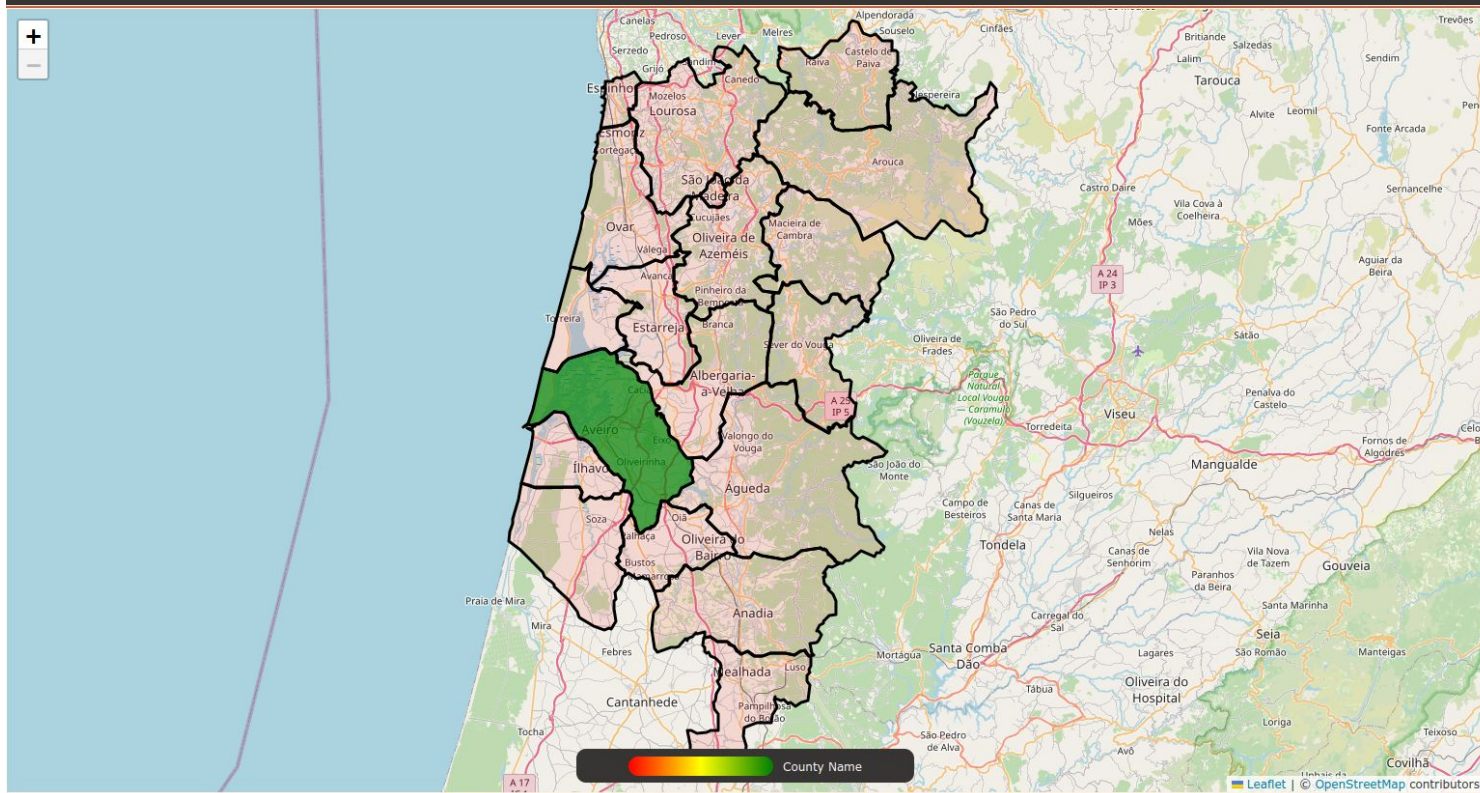
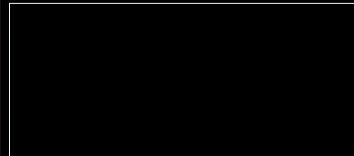
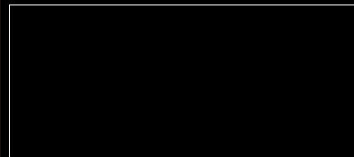
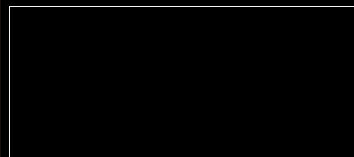
Select option...

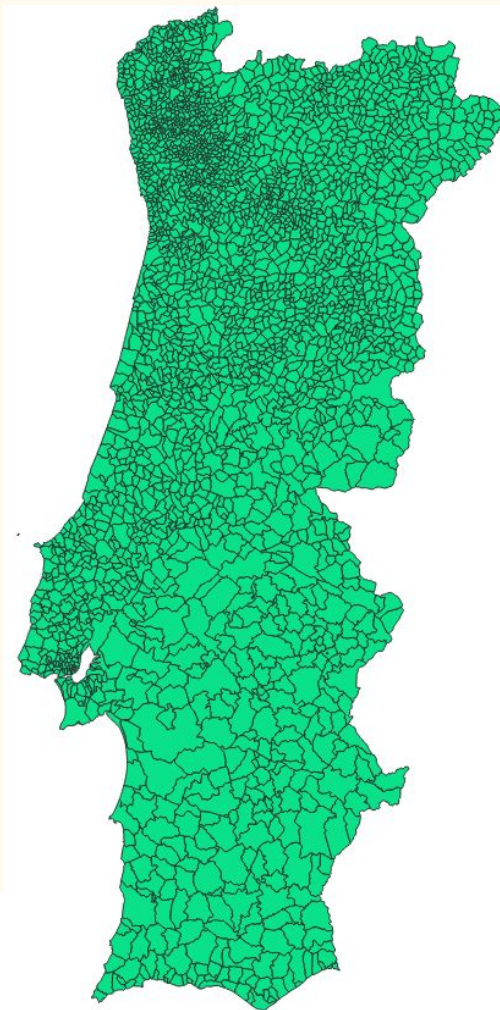
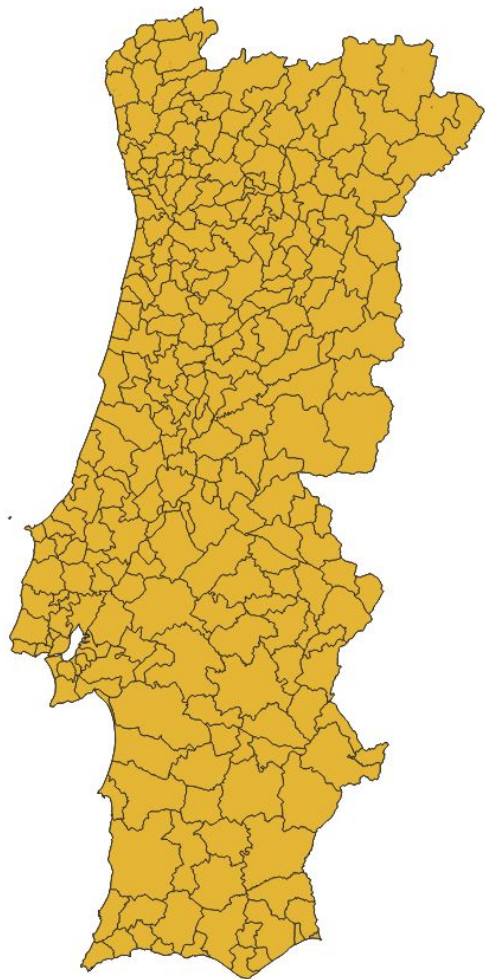
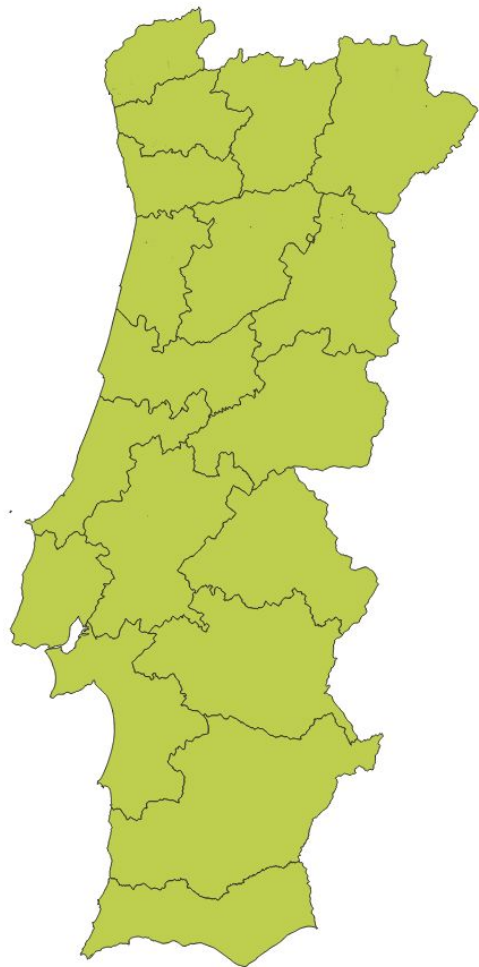
Bike Score:

Select option...

Search



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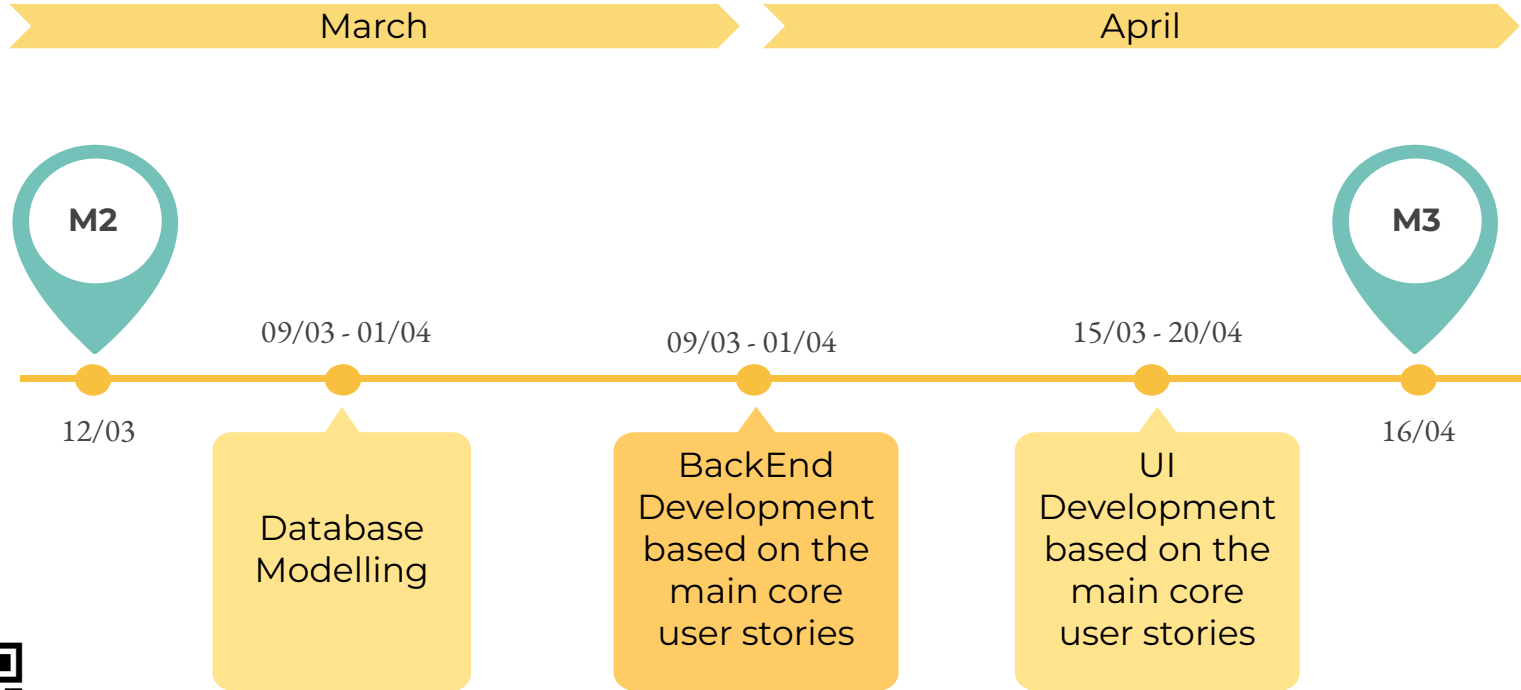


CALENDAR

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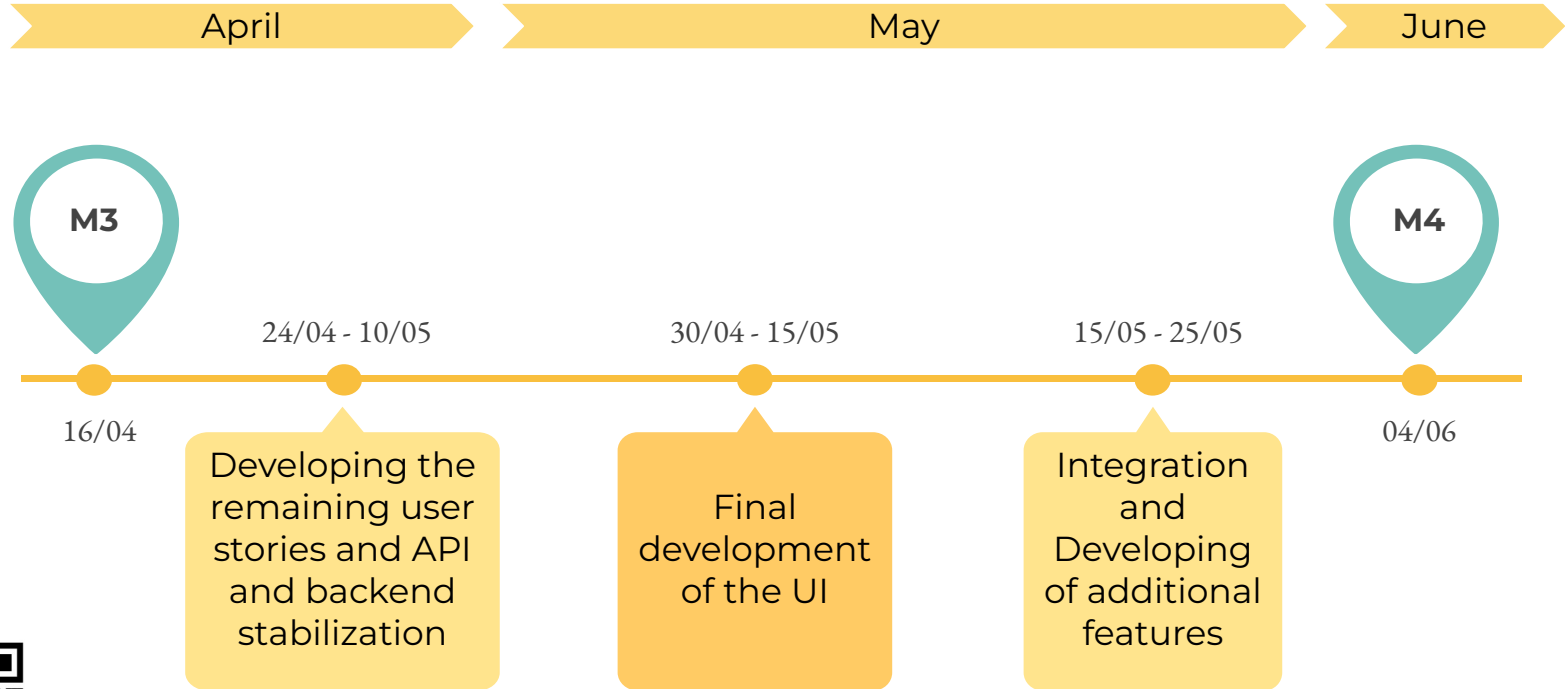
PROJECT CALENDAR



Calendar



PROJECT CALENDAR



Calendar



THANK YOU

Does anyone have any questions?



<https://whereishome.netlify.app/>

