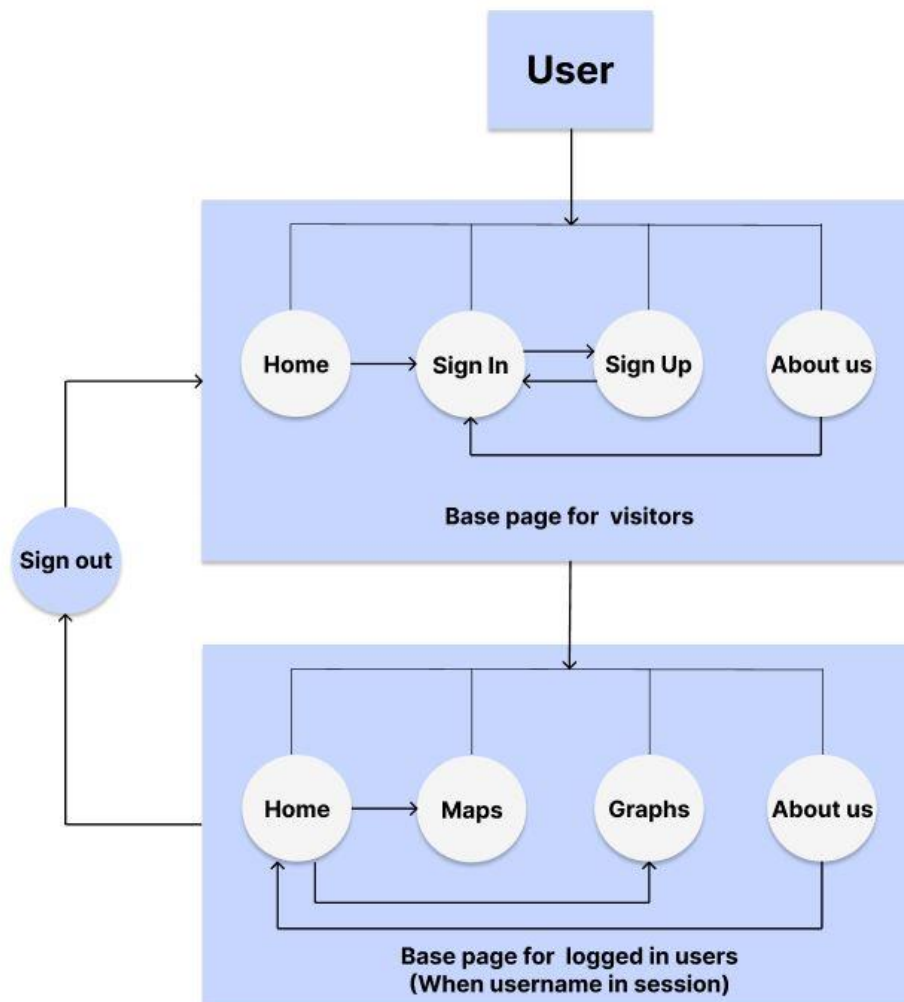# Website guide for the website Realty:

This document represents a user guide to navigate through the site, to allow users to fully use the site as intended by the development team.

The overall structure of the website:

There's an extra page that allows the user to enter their profile, not mentioned in the graph in this version.

1. **The visitors section:**

The visitors section includes pages that allow the visitor to view the home page of the site, to sign in if they have an account, to sign up if they don't have an account, and to view some information about the site through the about us page.
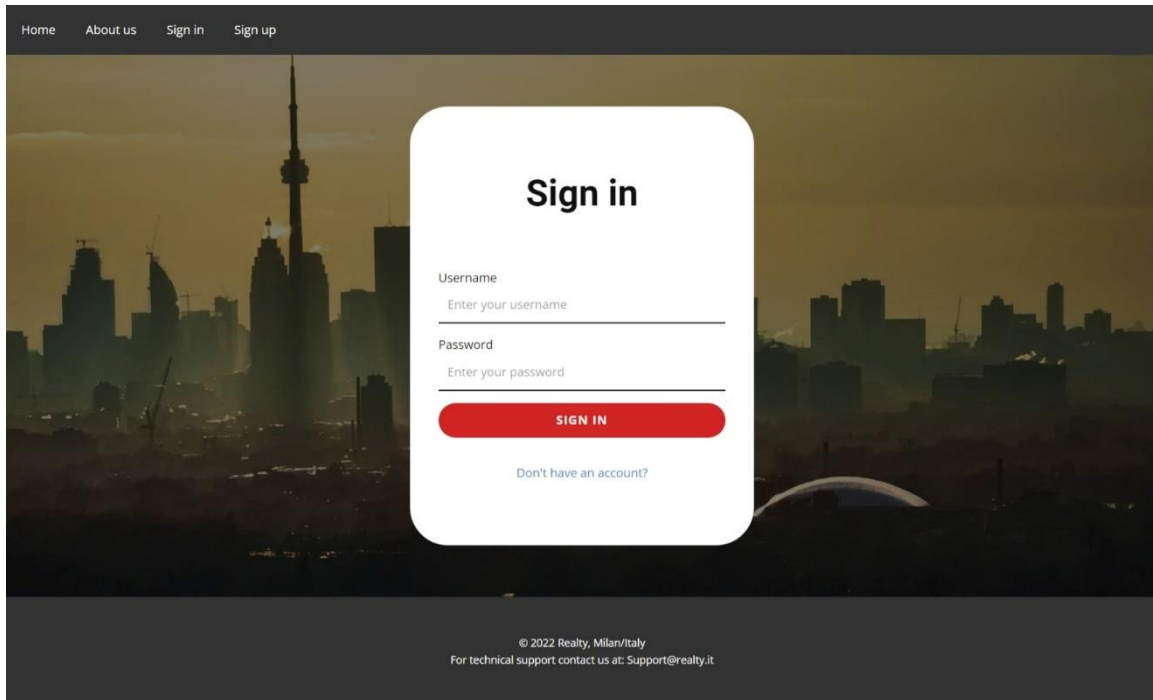
1.1. The home page:

The home page displays a user friendly user interface to allow the user to navigate to the sign in screen.
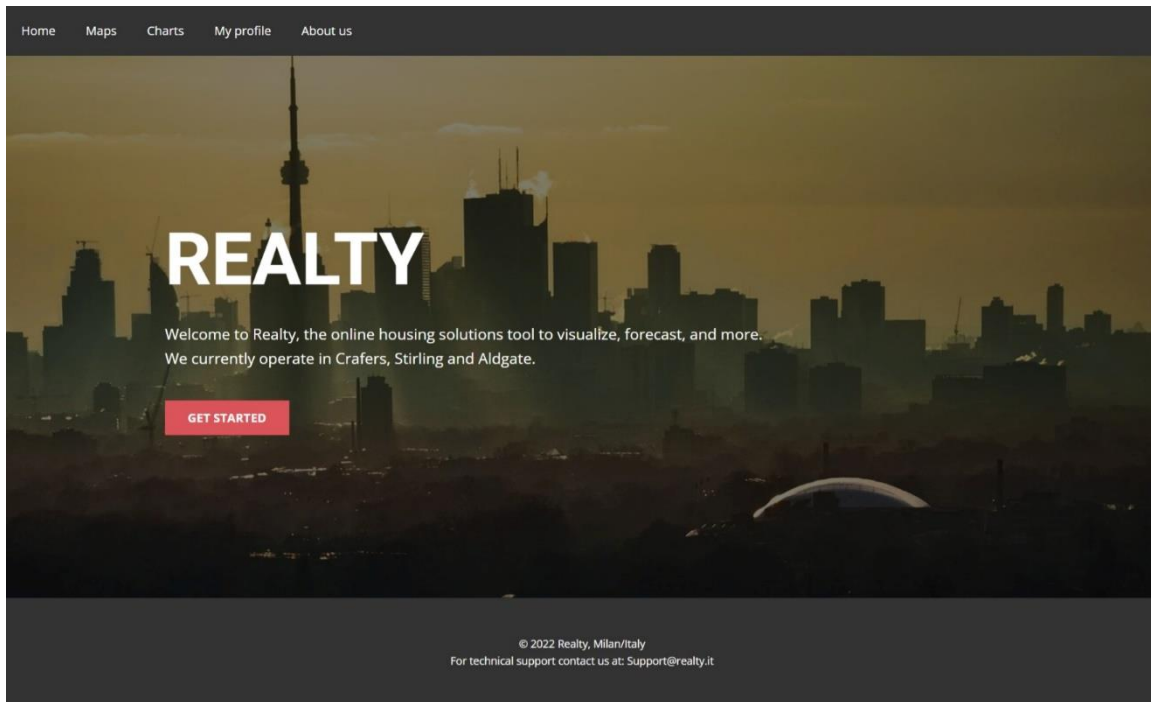
1.1.   The sign in page:

The sign in page allows the user to sign in using their credentials.

1.2.   The sign up page:

The sign up page allows the users to create a new account.

1.3. The about us page:

This page offers some info about the site and its components/features, it also allows the user to view the open source data used in the project.
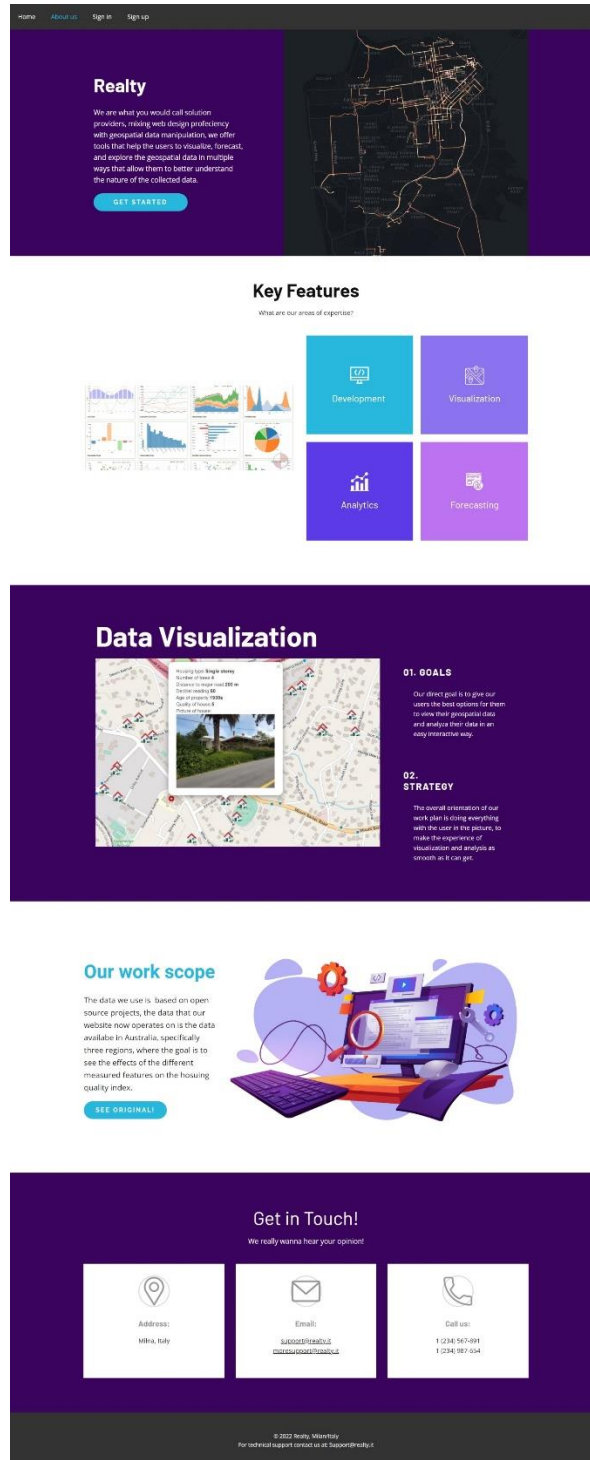
1. **The users section:**

The users section includes pages that allow the users to view the home page of the site, to view maps, to view graphs, view their profile, and to view some information about the site through the about us page.

The users section uses a different base template, changes in the header are seen to account for user of they are in the session or not, if in any instance of time the user chooses to log out, the visitor's pages and their respective base template will render again.

1.1.   The home page:

The home page displays a user friendly user interface to allow the user to navigate to the sign in screen.
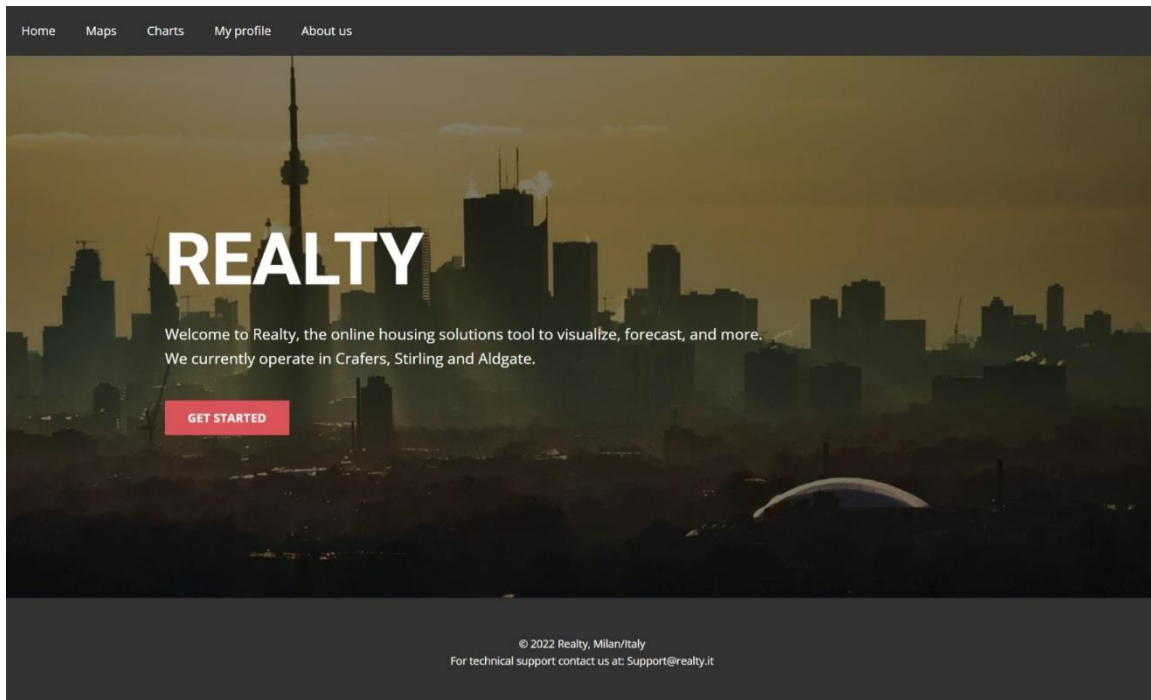
1.2. The maps page:

The maps page displays a user friendly user interface to allow the user to navigate to the maps screen.
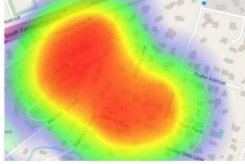

Info Map

A map that displays the housings' location. Clicking on a house icon will display the housings meta details and an image.
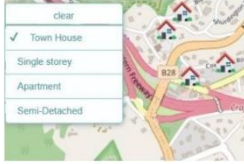
VIEW MAP

Heatmap

A map that displays the heatmap of the area.
The heatmap is based on the decibel readings which is a "noise measure" to evaluate the quietness of a neighbourhood.
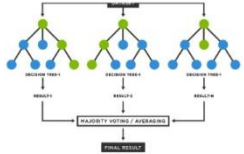
VIEW MAP

Filter Map

A map that displays housings based on a filter.
The map displays the housing based on a chosen filter and displays the number of the housings in that specific filter.
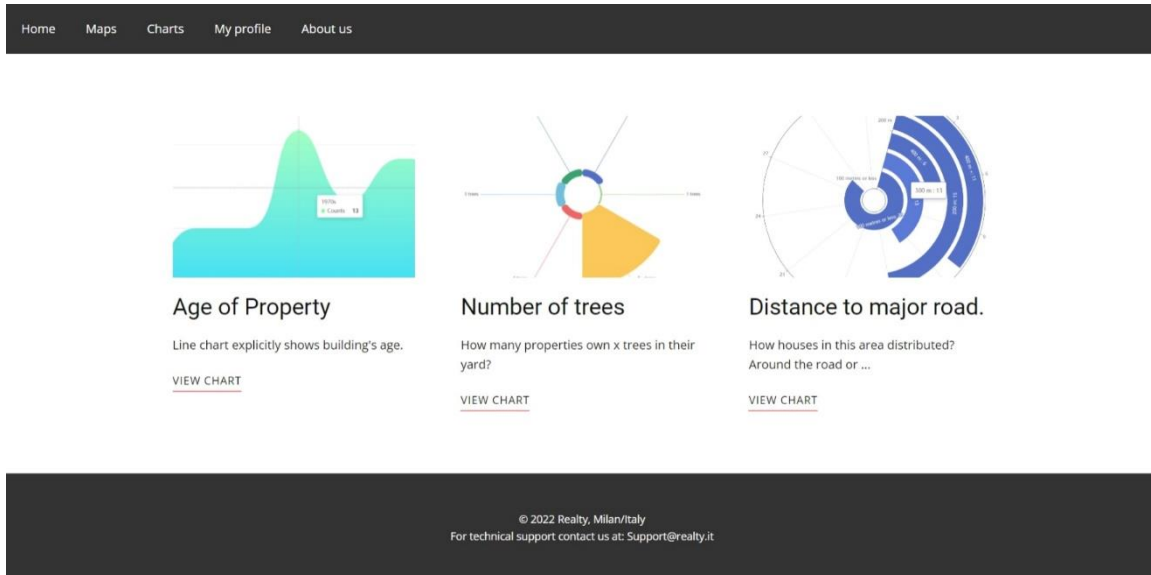
VIEW MAP

Add & Predict

We can do our part of citizen science and submit our new data by clicking on the map.
It will automatically run the machine learning code and predict the quality of house.
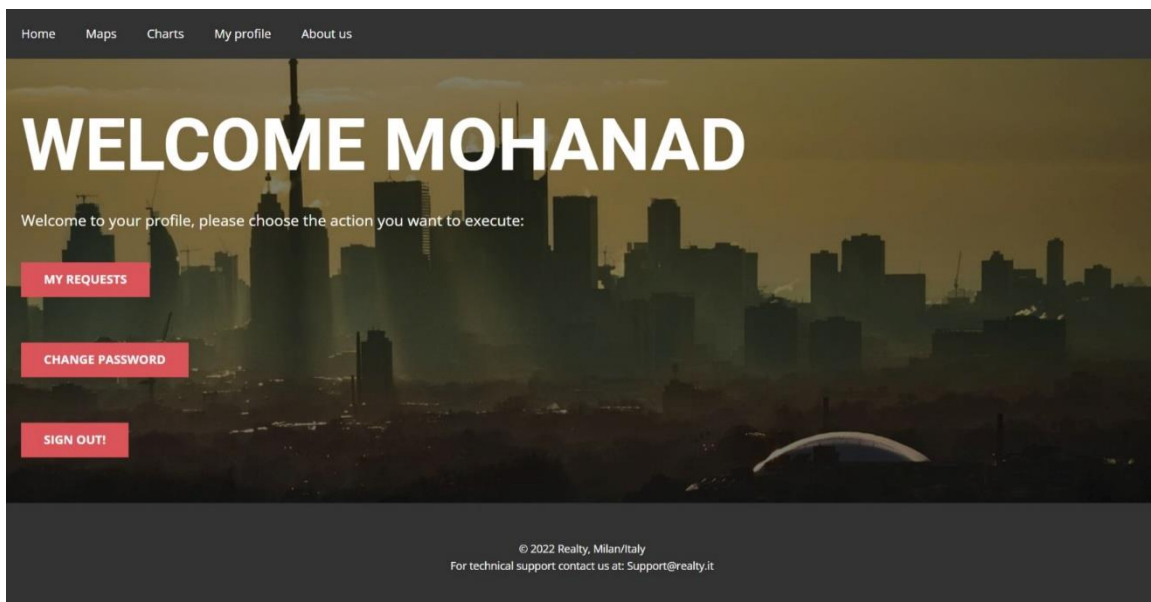
VIEW MAP

1.3. The graphs page:

The graphs page displays a user friendly user interface to allow the user to navigate to the graphs screen.
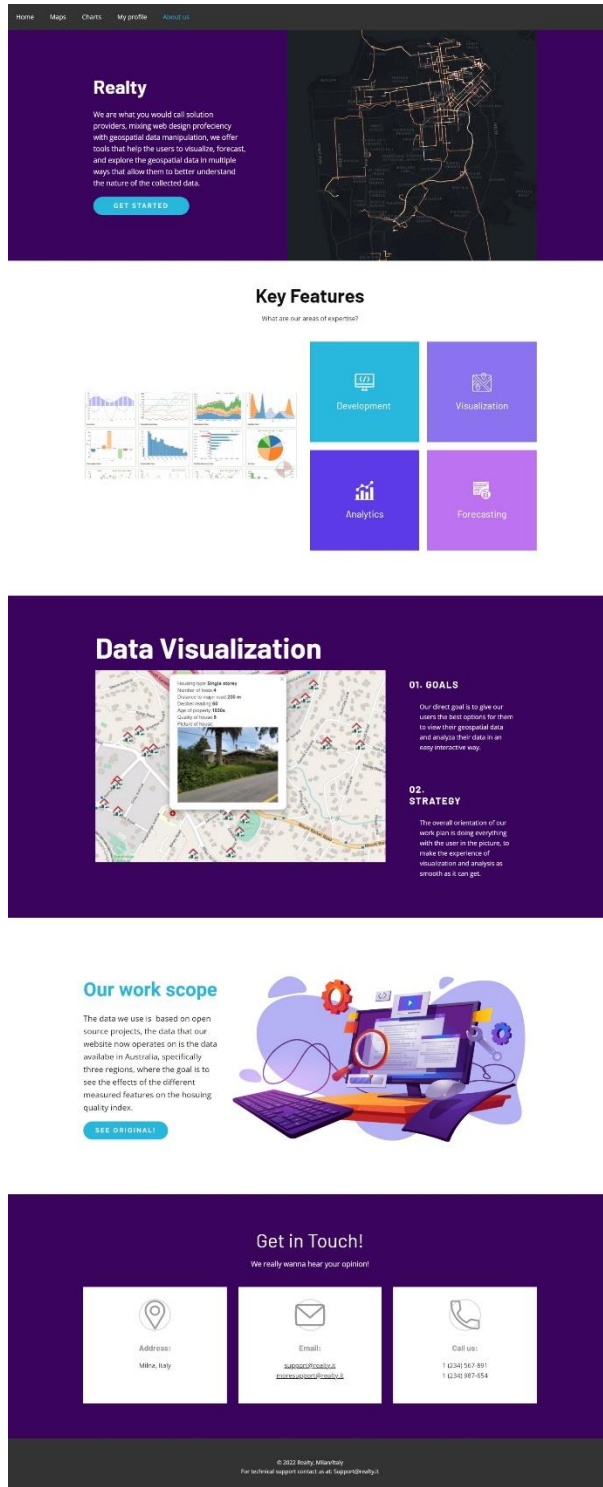

1.4. The profile page:

The profile page displays a user friendly user interface to allow the user to navigate to their profile screen.

1.5. The about us page:

The home page displays a user friendly user interface to allow the user to navigate to the maps screen.

Extras:

In this section are extra screens that display a sample of the maps and the graphs that the users are able to view.