Lab 6 Artifacts - team2345

Members: Valeria Garibaldi, Krischin Layon, Jeevan Sandhu, Justin Wang

Features (user stories) to Implement in Next Sprint:

Listings data:

-**Feature 1:** As a user, I want less latency when analytics are calculated or recalculated.

-**Feature 2:** As a user, I want a more user friendly platform.

GUI:

Home Page:

MADRID BNB
Welcome!

Popularity | Room Distribution

| Search Neighborhood... | Room Type ⬇ | Low Range $... | High Range $... | Search |

Home Page with Search Results:

MADRID BNB
  Welcome!

Popularity | Room Distribution

| Search Neighborhood... | Room Type ⬇ | Low Range $... | High Range $... | Search |

1.
ID:
Neighborhood:
Room Type:
Price:

2.
ID:
Neighborhood:
Room Type:
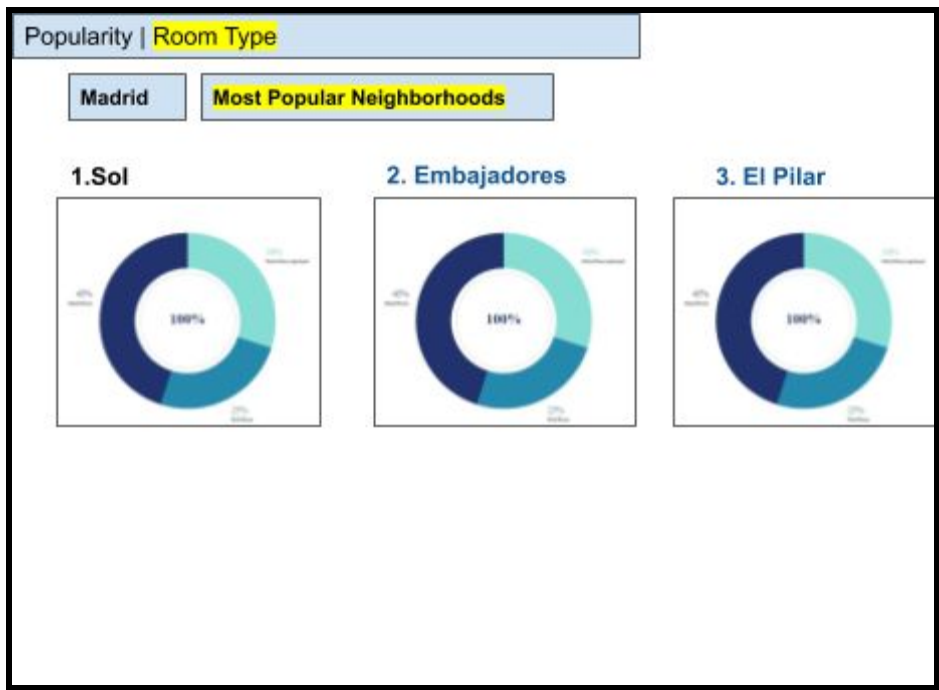Price:

Avg Price for this Search Result:

$50.75

Cheapest Listings | Most Expensive Listings

1.
ID:
Neighborhood:
Room Type:
Price:

2.
ID:
Neighborhood:
Room Type:
Price:

Room Distribution Page:

Add Listing Page:

Add New Listing

Enter Neighborhood...

Room Type ...

Enter Price...

Enter

New Listing Addition Successful!

OK

Test Cases:

- **Feature 1 Test Cases:** As a user, I want less latency when analytics are calculated or recalculated.
    - **Test case 1**: As a user, I click on the popularity tab.
      Correct Output: The front end displays all appropriate data on the Popularity tab with little to no latency.

- **Feature 2 Test Cases:** As a user, I want a more user friendly platform.
    - **Test case 1**: As a user, I go to the home page.
      Correct Output: The front end only displays the search bar and menu bar. After I click on "Search", the price analytics show up on the sidebar separate from the search results.
    - **Test case 2**: As a user, I click on the "Add Listing" button from the home page.
      Correct Output: The button redirects to a new page and asks for the new listing inputs. After clicking on the "Enter" button, I receive a confirmation message saying that the listing was successfully added.
    - **Test case 3**: As a user, I click on the "Room Distribution" tab from the home menu.
      Correct Output: The tab will redirect to a new page. There are two buttons to choose which category I want to see room type distribution for. I click on the "City of Madrid" and a pie chart displays the percentages each room type in Madrid.

To-Do List

Done list of <u>last sprint</u>:

- Modified HTML file for popularity analytics.

    [finished by Valeria and verified by Krishcin]

- Modified HTML file for room distribution analytics.

    [finished by Valeria and verified by Krishcin]

- Modified CSS file for popularity analytics. (Part 2 Analytics)

    [finished by Valeria and verified by Krishcin]

- Modified CSS file for room distribution analytics.

    [finished by Valeria and verified by Krishcin]

- Modified container functionality to Popularity HTML file to display contents.

    [finished by Krischin and verified by Everyone]

- Modified container functionality to Room Distribution HTML file to display contents.

    [finished by Krischin and verified by Everyone]

- Implemented Angular Components to handle modified API call (Part 2 Analytics)

    [finished by Krischin and verified by Everyone]

- Implemented Angular Services to handle modified API call (Part 2 Analytics)

    [finished by Krischin and verified by Everyone]

- Set up API functionality to send new JSON with analytic data upon receiving GET Request

    [finished by Justin and verified by Everyone]

- Integrate API with Data Layer popularity analytic functions. (Part 2 Analytics)

    [finished by Justin and verified by Jeevan]

- Integrate API with Data Layer room distribution analytic functions. (Part 2 Analytics)

    [finished by Justin and verified by Jeevan]

- Implement backend functionality to calculate most popular listings in Madrid.

    [finished by Jeevan and verified by Justin]

- Implement backend functionality to calculate the most popular listings in the most popular neighborhoods in Madrid.

[finished by Jeevan and verified by Justin]

- Implement backend functionality to calculate room type distribution by percentage in the city of Madrid as well as in the most popular neighborhoods.

    [finished by Jeevan and verified by Justin]

- Conducted and confirmed Feature 1, 2, and 3 Test Cases from Sprint-5

    [finished by Jeevan and Justin and verified by everyone]

- Completed Sprint 5 Artifact

    [finished by everyone and verified by everyone]

- Record Sprint 5 Demo

    [finished by everyone and verified by everyone]

To-Do for <u>next sprint</u>:

- Implement a clean frontend framework
- Add the Pie Chart Framework
- Store most up-to-date analytics in local data store
    - "top_neighborhoods"
        - list of "popular_n" objects of top neighborhoods in Madrid
    - "top_listings"
        - list of "listing" objects of top listings in Madrid
    - "room_dist_data"
        - list of "room_distribution" objects (starting with Madrid) of room distributions of madrid and top 3 neighborhoods in Madrid
- Incrementally update analytics based on changes in stored data
- Incrementally update average price of listing when user adds, edits, or deletes a listing
- Incrementally update three most expensive listings analytic when user adds, edits, or deletes a listing
- Incrementally update three least expensive listings analytic when user adds, edits, or deletes a listing
- Incrementally update three most popular neighborhoods analytic when user adds, edits, or deletes a listing

- Incrementally update three least popular neighborhoods analytic when user adds, edits, or deletes a listing
- Incrementally update room type distribution analytic when user adds, edits, or deletes a listing

To-do if there's time:

- Implement fourth drop down for room type - Shared room
- Add confirmation message when deleting, adding, and editing listings
- Add separate tab "Pricings" to view total average and top 3 expensive and cheap listings in all of madrid
- Implement add review function to web app
    - Reviews page with review post request /review
        - Json
            - {
                    "id": 0000 //id of listing to increment num reviews
                }
    - Backend to receive post request and increment num reviews in csv
    - Backup/import for reviews