This is a rough sketch that may be difficult to interpret, but it outlines the core goals of my app:

- A **tourist feature** that provides personalized recommendations and allows users to purchase tickets directly.

- **Accessibility options** for elderly and disabled users, including audio guidance and a visible zoom function for ease of use.

- **Daily commuter support**, offering real-time alerts about service disruptions on frequently traveled routes.

- **Navigation functionality** similar to standard maps, where users can select their preferred mode of transport (car, walking, or bus), view real-time arrival estimates, and check approximate travel costs.

My objective is to create an accessible and minimalistic framework for everyone.

Let's start creating the wireframe of the app step by step, using the platform Canva for better visualization.

For making my app I wanted to follow the 10 principles of IA(Information Architecture) by Abby Covert [A. Covert, "IA Tools: IA Heuristics," Abby Covert, [Online]. Available: https://abbycovert.com/ia-tools/ia-heuristics/ . . [Accessed: 01-Apr-2025].]

1. *Home Screen*

- **Top Section**:

    o Zoom icons

    o Profile information

- **Search Bar for Destination:**.

    o Search Bar: "Where to go?" – Fast access to search for a destination.

        ▪ Next to the search bar: A 'Microphone' icon for an audible guide of the route.

- **Main Navigation:**
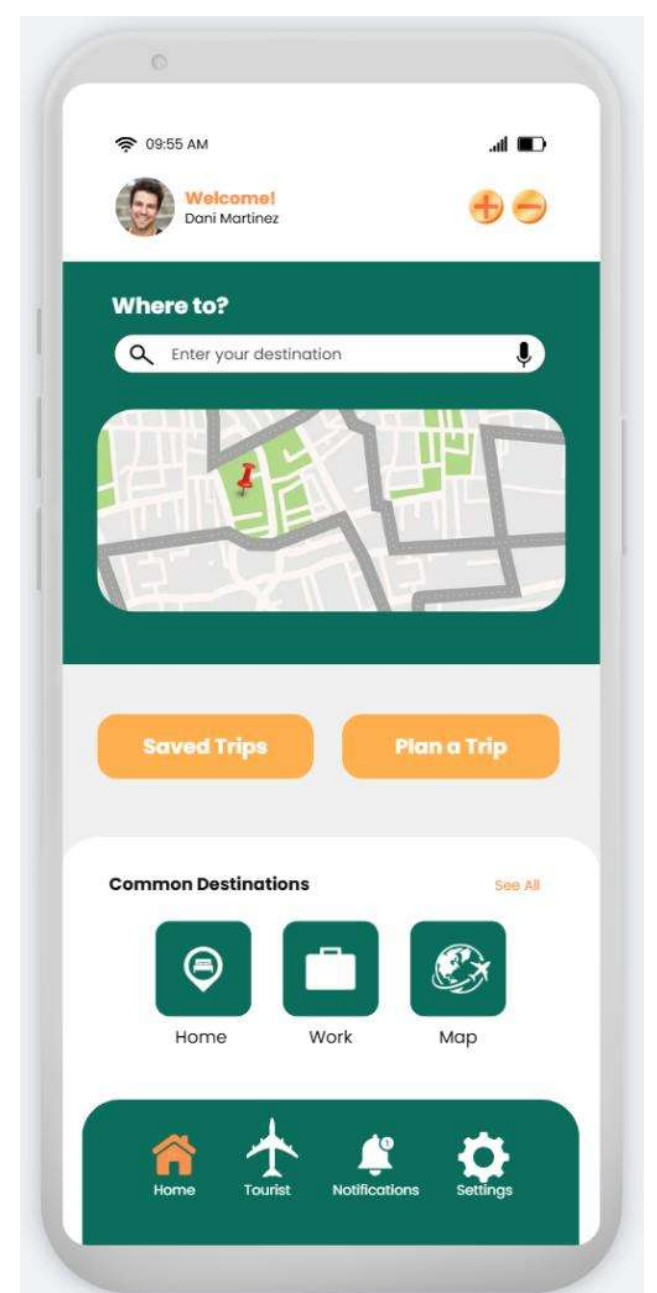
- o "Plan a Trip": Quick input for routes. Users can add a new trip or select a saved one via the 'Add Trip' and 'Saved Trips' icons.

- o Predefined Destinations:

  - ▪ Users can save common destinations (e.g., home, work) for quick access.

  - ▪ The app provides recommendations based on the user's common routes.

- **Bottom Icons**

  - o The Tourist icon, if clicked, activate the tourist home page

  - o Notifications icon: to activate the alerts

  - o Settings icon, to access the settings.

On the homepage, users can access various features designed to enhance their experience. For instance, the microphone icon activates the user audio guide, while the fast-accessible zoom icons cater to **disabled users**—one of the app's key stakeholders. Additionally, icons such as 'Home' and 'Work' allow **daily commuters** to quickly navigate to their most frequent destinations. For their convenience, the app also offers an option to activate alerts, ensuring they stay informed about any service disruptions or route changes that may affect their regular commute.

2. *Trip Planner*

- **Search Bar:** Input start & destination (auto-detect location enabled).

- **Route Filters:**

  - o Step-free routes (for elderly & disabled users).

  - o Audio guidance

  - o Priority sitting

- **Results Display:**

  - o List of available transport options with estimated time & cost.

 - o Live occupancy status for real-time planning.
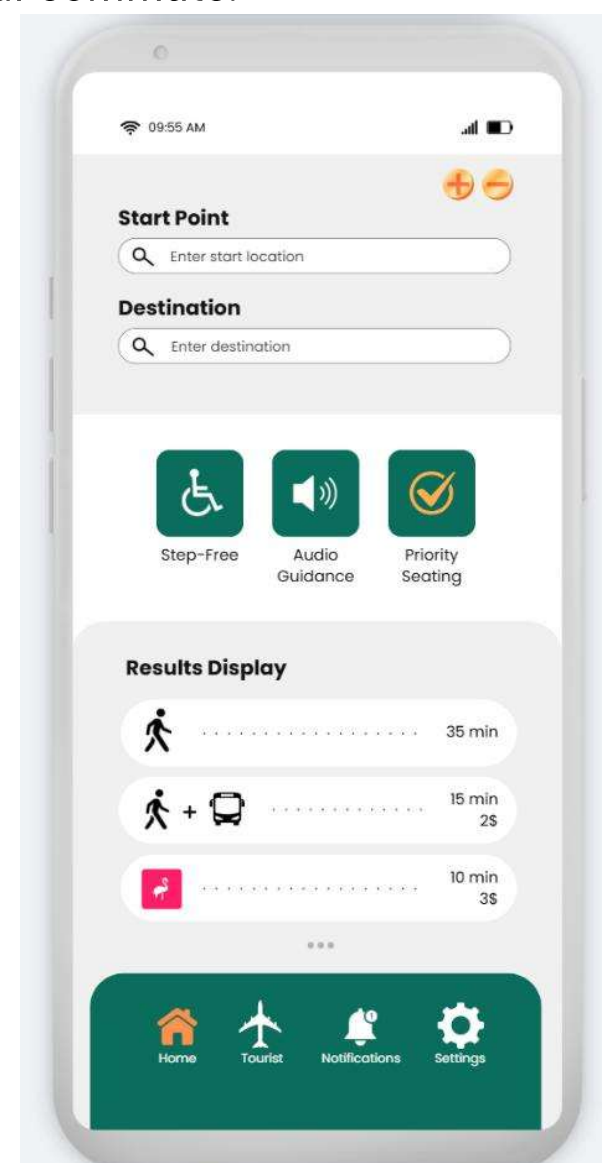
3. Live Map & Route Tracking

- **Real-Time Tracking:**
  - Transport position updates every few seconds.
  - Estimated arrival time at each stop.
- **User-Friendly Alerts:**
  - Approaching stop notifications (vibration/audio for accessibility).
  - Assistance request button (for elderly/disabled users).

4. Settings Panel

- **Log Out and Change Language**
  - The language is indicated by a flag, to change it, click on the flag and select the new language(also indicated by flags.
- **Public Transit:**
  - Decide which public transport to take into account.
- **Sidewalk:**
  - Select how much time to prioritize walking
  - Speed of the user
  - Prioritize accessible sidewalk trips (without steps)
- **Accesibility Pannel**
  - Minimize walking
  - Show accessible trips first
  - Show line colors
  - Prioritize free routes
- Bike / Scooter
  - Prioritize biking: by default 'NO'
  - Personal bike: say if take into account routes with bike
 - Flamingo (or other): select if routes using this type of transport appear
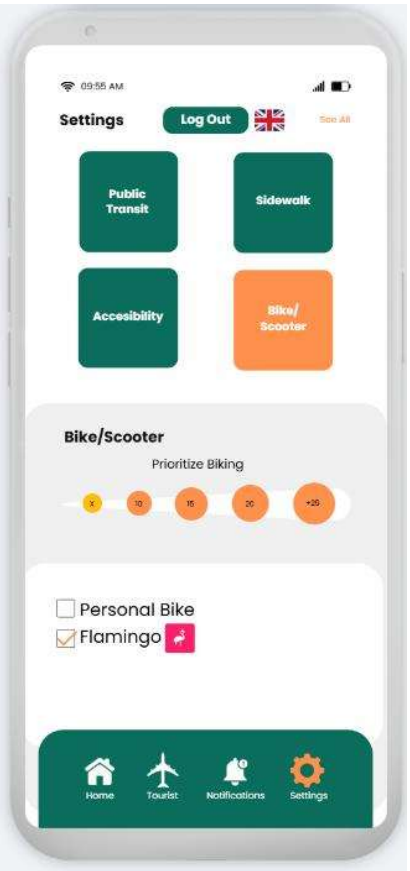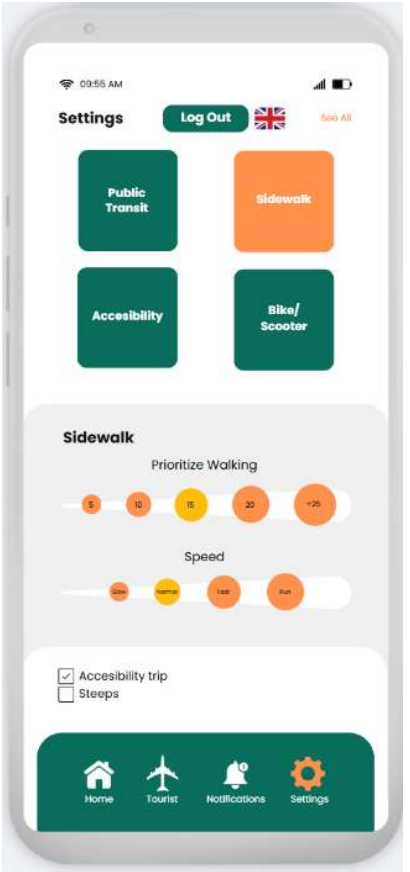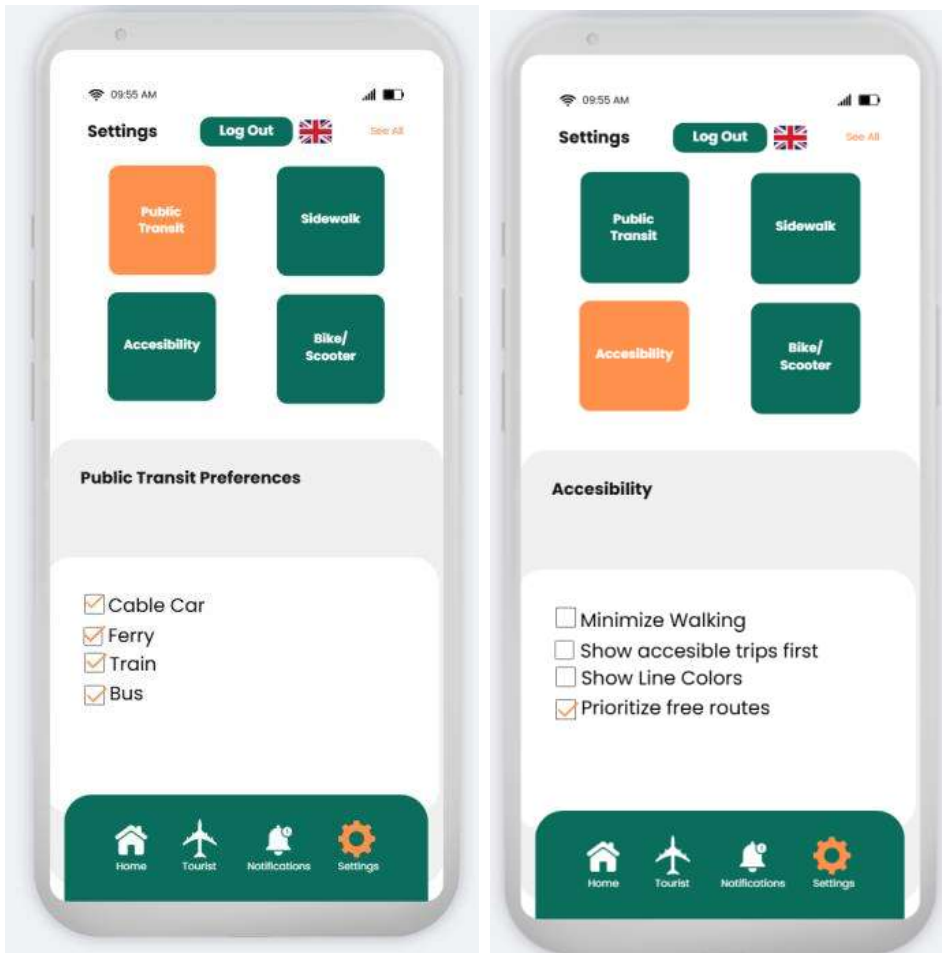
5. Tourist Pannel Homepage

An innovative page designed for **occasional users**, particularly tourists, allowing them to plan their trips by exploring various activities, recommendations, and reviews — with the added convenience of purchasing tickets directly through the app.

- **Activities pannel:**
  - o Recommended activities by the app in the selected city.
  - o Multi-trip and tourist passes.
- **City of interest:** search bar in which the user selects the city of interest
  - o Special fares for elderly & disabled users.
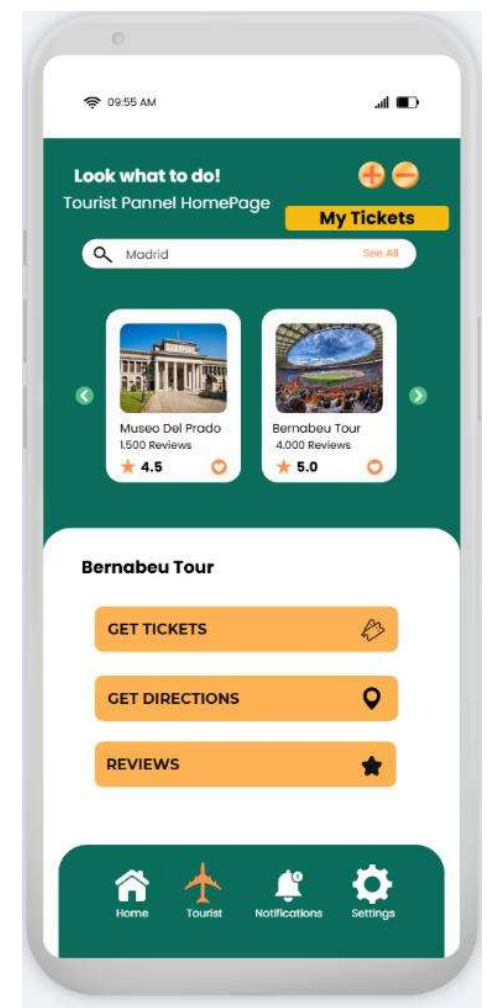
- o   Tourist day passes with simple activation.

- ‘My tickets’ box

    - o   See the tickets owned by the user

- When **activity selected: Activity pannel**

    - o   Get tickets for that activity

    - o   Get directions

    - o   Opinions: see the feedback of other users about the activity

    - o   Ratings: in 5-star format
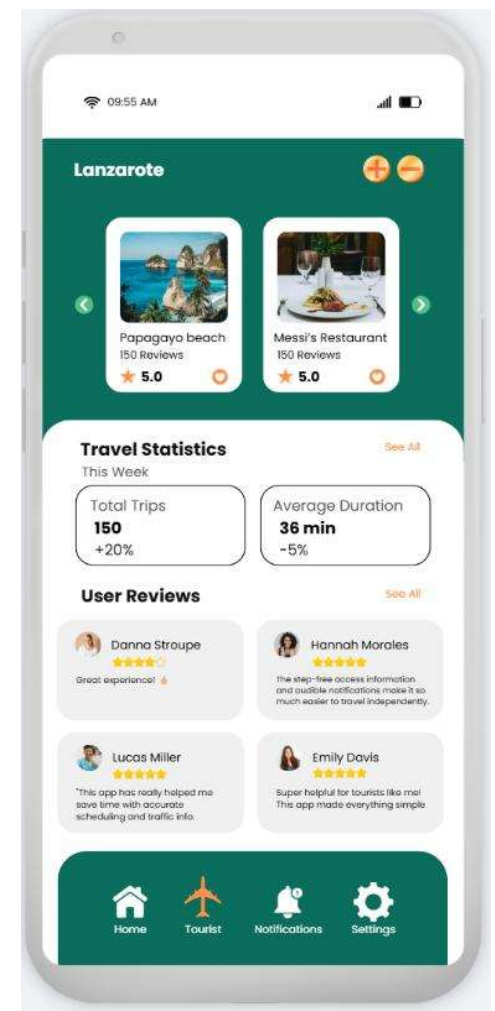
2. User Flow

Goal 1: Daily Commuter, go to home. The user just need to click on the 'Home' icon on the homepage.