

DESIGNING A USER-FRIENDLY MOBILE APP

USER INTERFACE DOCUMENTATION

Topics covered

- Introduction about App
- Requirement Gathering
- Gap Analysis
- Brainstorming
- Constraints and Assumptions
- Styleguide
- Solving Common Design Problems
- App Design Timelines
- Design

INTRODUCTION ABOUT APP

MOTIONX NAVIGATION APP

The most accurate and reliable solution for the iOS, MotionX-GPS embeds the functionality of an advanced handheld GPS unit into a simple and intuitive iOS application.

REQUIREMENT GATHERING

EXISTING UI

Creating a Modern UI along with all the functionalities it holds in the current UI.

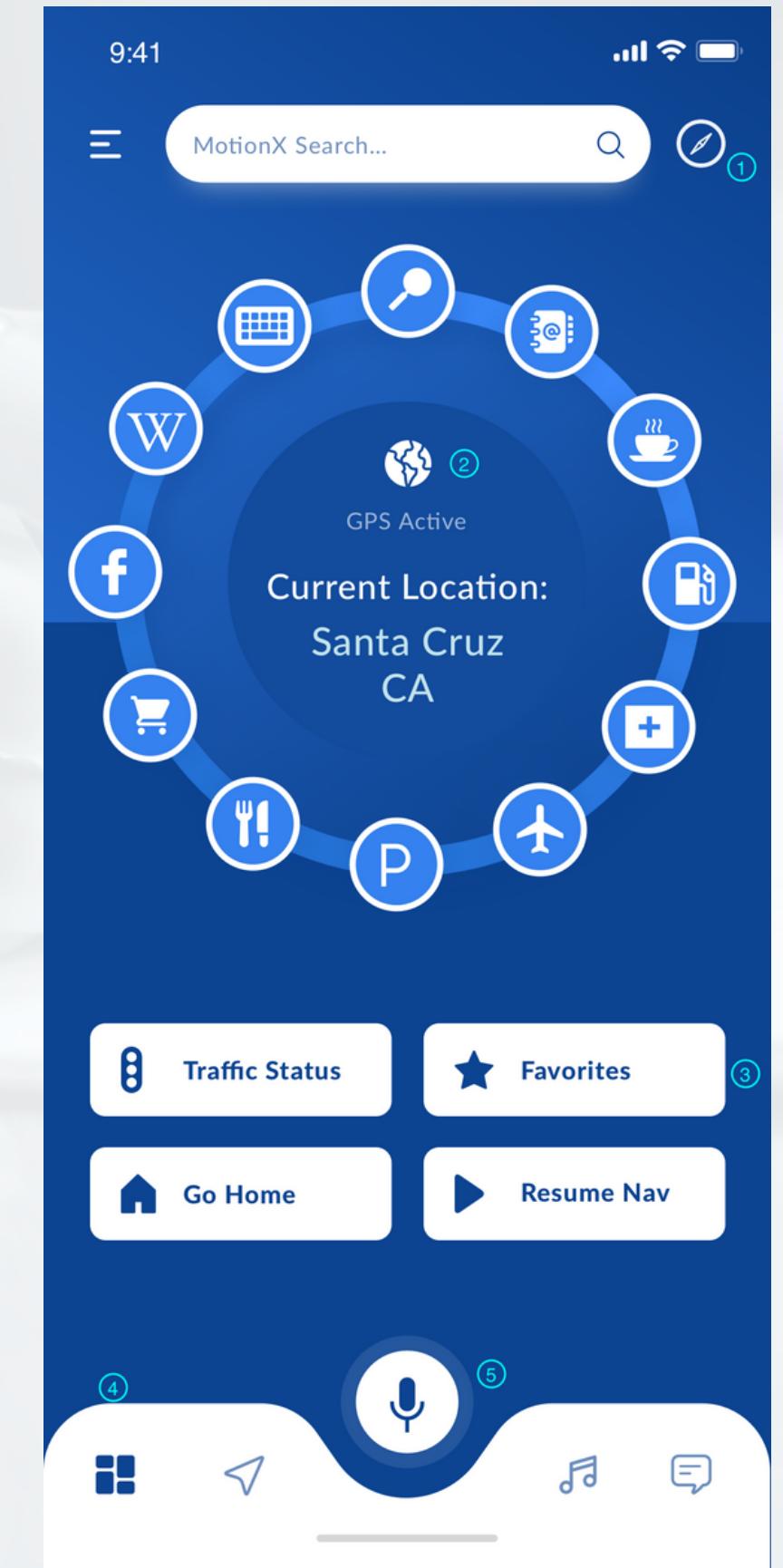


GAP ANALYSIS

Understanding the New Features

Capturing the reasons that a user interface is perceived as difficult and unpleasant to use.

1. Compass is now easy to use as it is just around the corner.
2. GPS Status is given in the middle with text so it is easily understandable.
3. Favourites is added in the app so user can easily save the most commute place.
4. Dashboard is the main page to access all the features of this app.
5. Mic is the smart assistance tool in order to make speech to action.



Features to Incorporate

- Access to Maps
- GPS tracking of current location
- Nearby POIs (Point of interests):
 - Hospitals
 - Restaurants
 - Cinepolis
 - Petrol Bunk
 - Parking Slots
 - Retail shops
 - Banks/ATM
- It also lists the opening and closing hours, photos, ratings, contact info, distance from current location, and reviews etc.
- Frequently saved locations
- Favourites
 - Home
 - Pull from Facebook on favourite restaurants/coffee shops.
- Access to contacts
- Smart Assistance built in to suggest the best suited option from our location that suits our budget needs.

BRAINSTROMING

CONSTRAINTS AND ASSUMPTIONS



ACCESS TO FEATURES

User needs to Allow location Access and Access for Contacts etc.

DIFFICULT TO UNDERSTAND

Mic Feature will make app easy to use for users.

PULL EXTRA INFORMATION

Extra Information needs to pull out to make decisions easy for user.

GPS STATUS

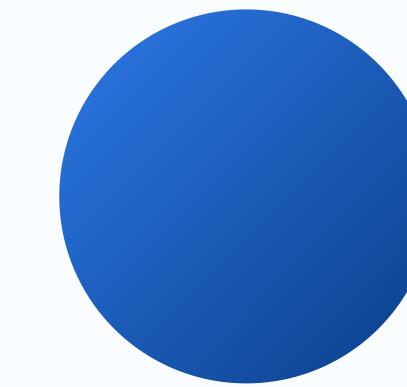
App will work only if the GPS is in active state.

STYLEGUIDE

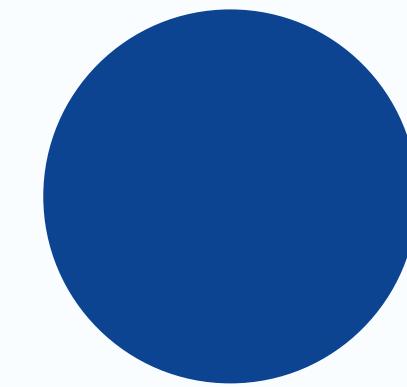
TYPOGRAPHY

Lato Family- Regular, Medium & Heavy

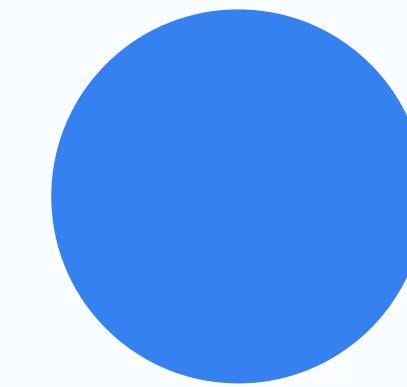
COLORS



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#093D87

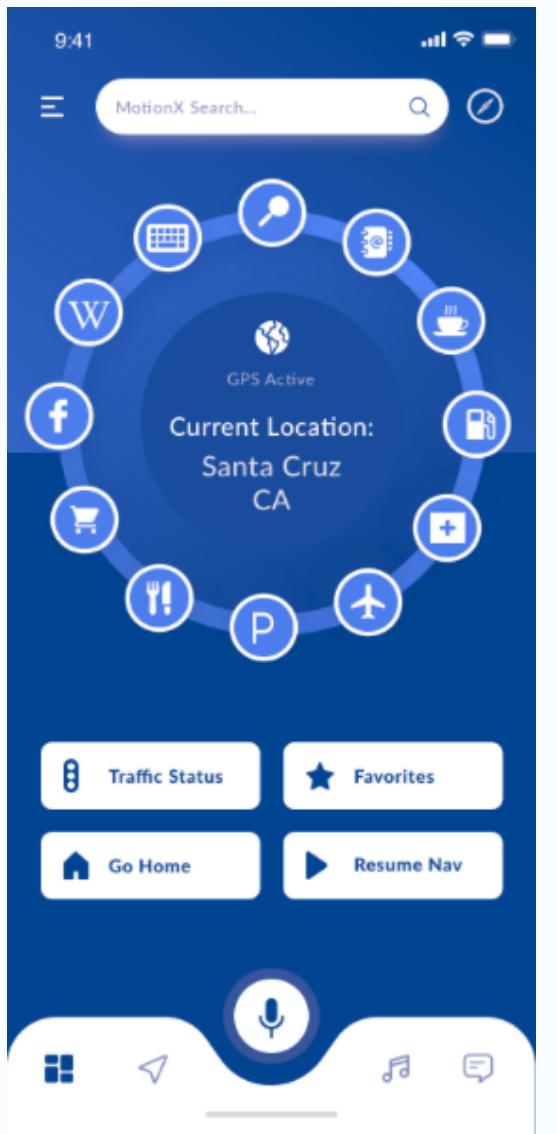


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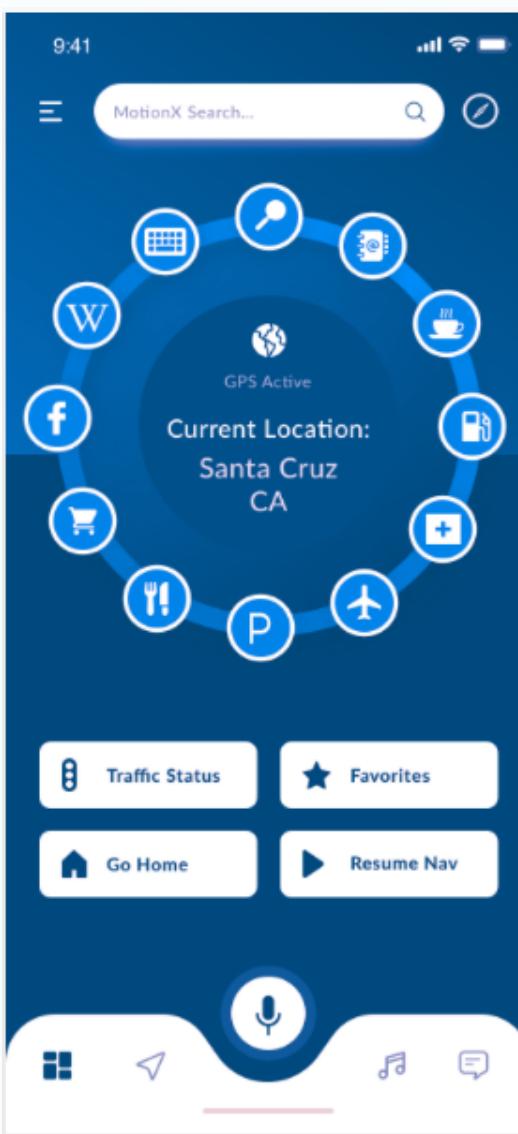


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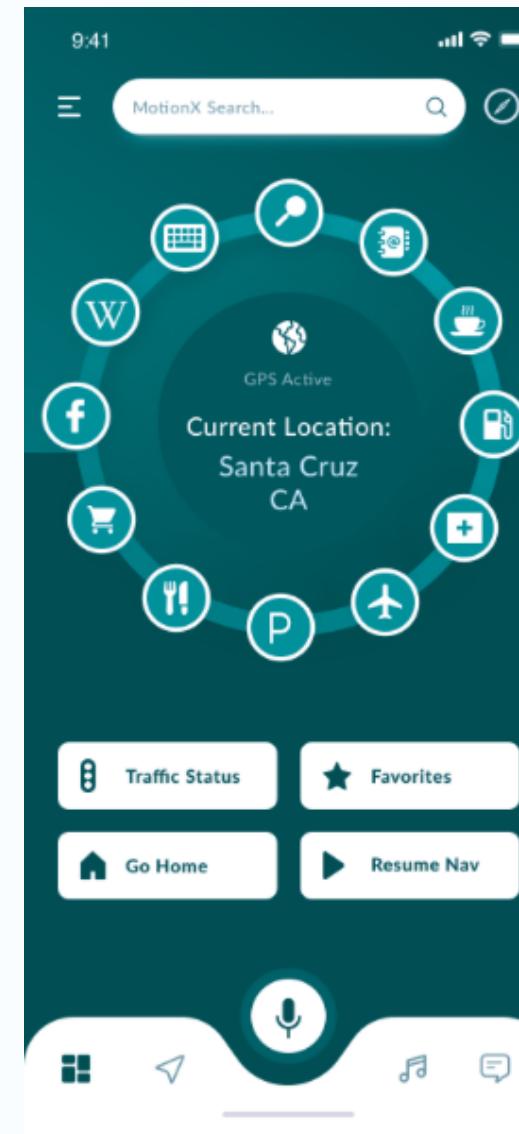
DESIGNED FOR EVERYONE



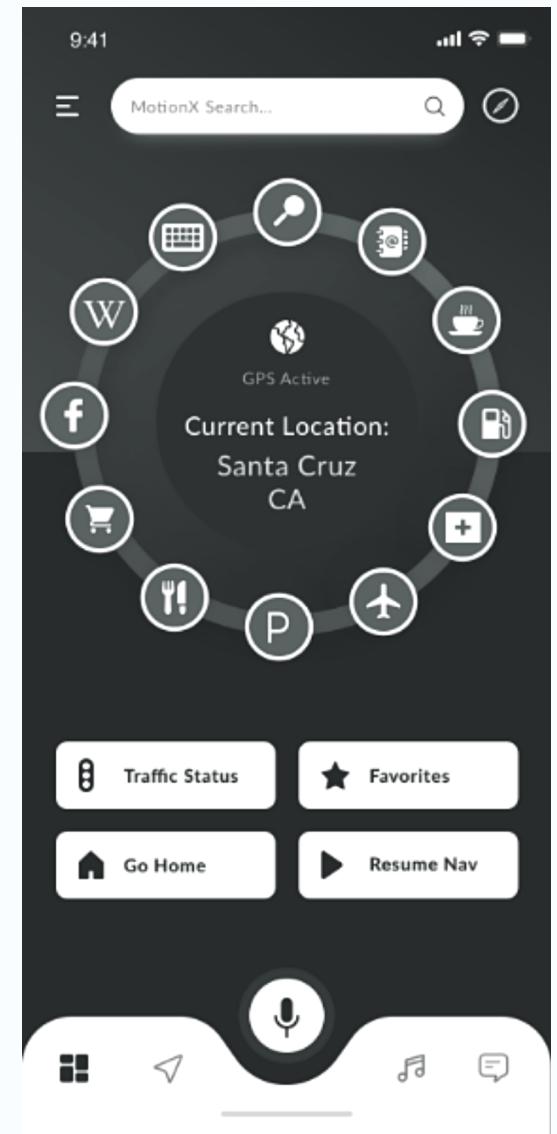
RED BLINDNESS
PROTANOPIA



GREEN BLINDNESS
DEUTERANOPIA



BLUE BLINDNESS
TRITANOPIA



ALL COLOR BLINDNESS
ACHROMATOSIA

SOLVING COMMON DESIGN PROBLEMS

BEST PRACTISES FOR USER INTERFACE

1. Keep the interface simple.
2. Make sure that the system communicates what's happening.
3. Strategically use color and texture.
4. Think about the defaults.
5. Create consistency and use common UI elements.



THREE BASIC PATTERNS

HAMBURGER MENU

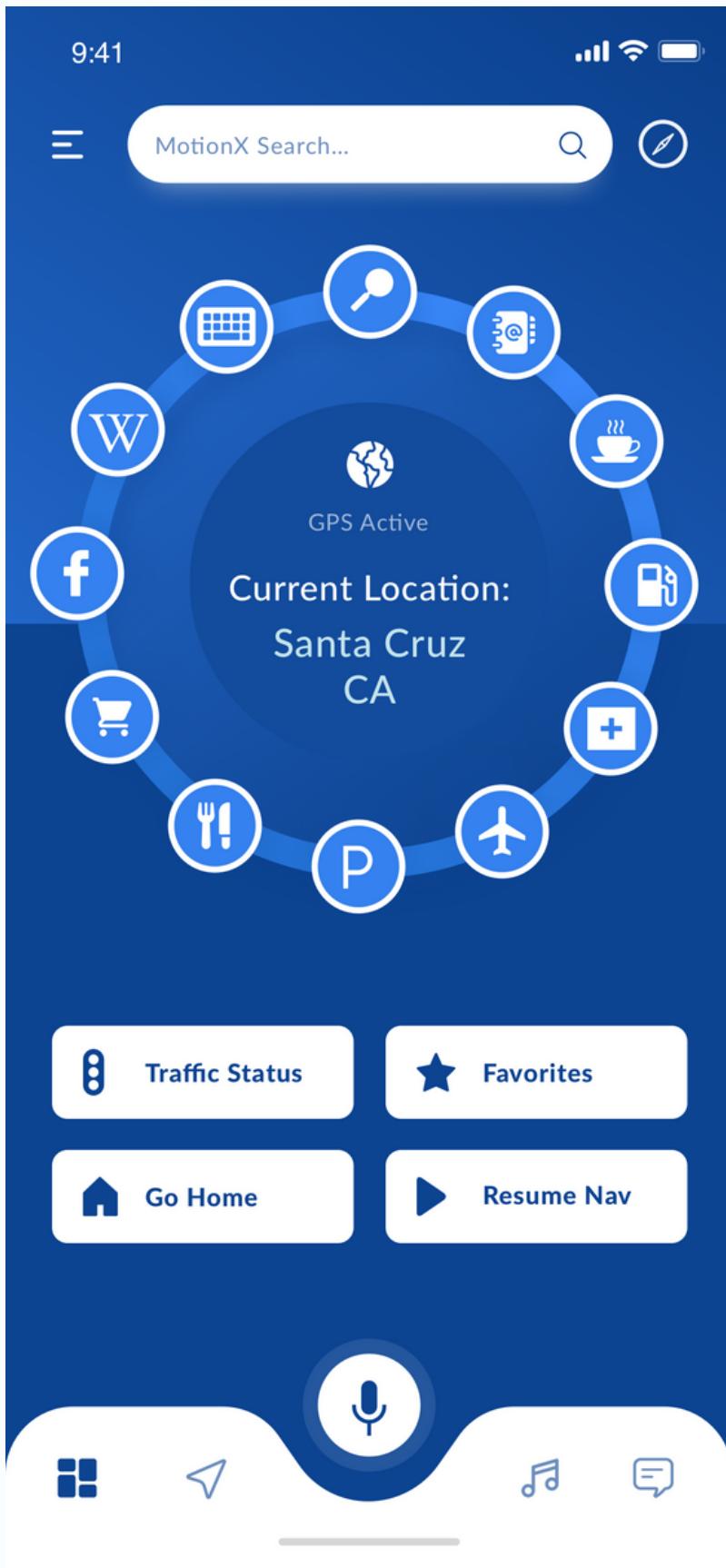
Comprises of all the features related to the current Page .

BOTTOM NAVIGATION

It make the options easy to switch just from the bottom of the app.

MIC

It enables an artificial intelligence system which makes it easy for user to do things.



Pros of New UI

- Modern UI includes new Bottom Nav and Mic feature.
- Menu is shown in the Top Nav which mostly users are habitual.
- Dashboard Nav is easy to use as it is always available in bottom bar.



Cons of Old UI

- UI is not understandable for the user as icons are so close to each other.
- For half icons, Text is not there which makes the UI inconsistent.
- GPS active/inactive state is not understandable.

APP DESIGN TIMELINES

PLANNING

Features to be incorporated in the app to make it user friendly.

GATHERING THINGS

Icons and Color Research so that we can make our app simple, delightful and easily accessible.

DESIGN

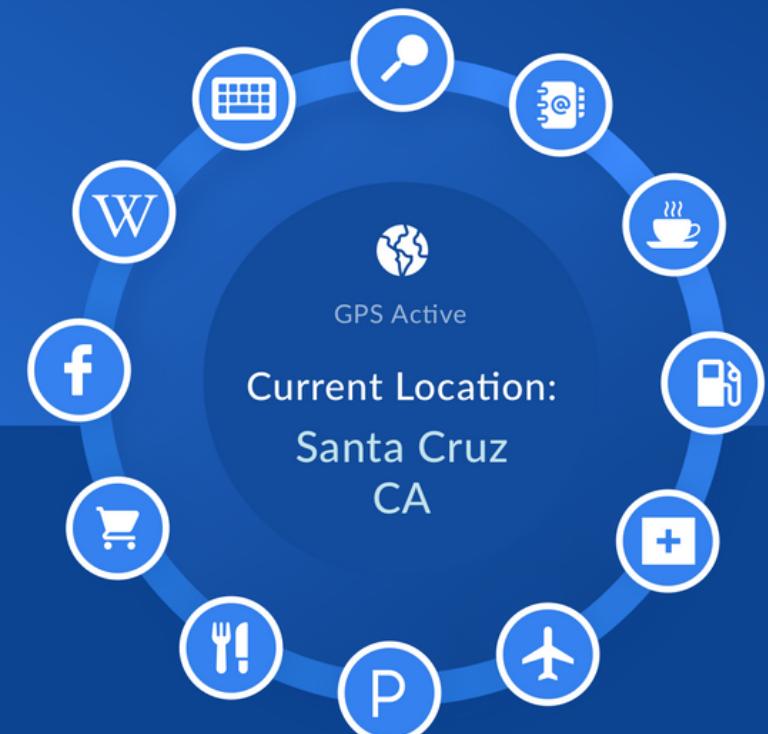
Modern UI with keeping functionality in mind.



9:41



MotionX Search...



Traffic Status



Favorites



Go Home



Resume Nav



DESIGN

Design isn't just about making things look appealing, or just about usability, or even just delight. It is about taking products from being usable to delightful, and then beyond that — to meaningful.

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