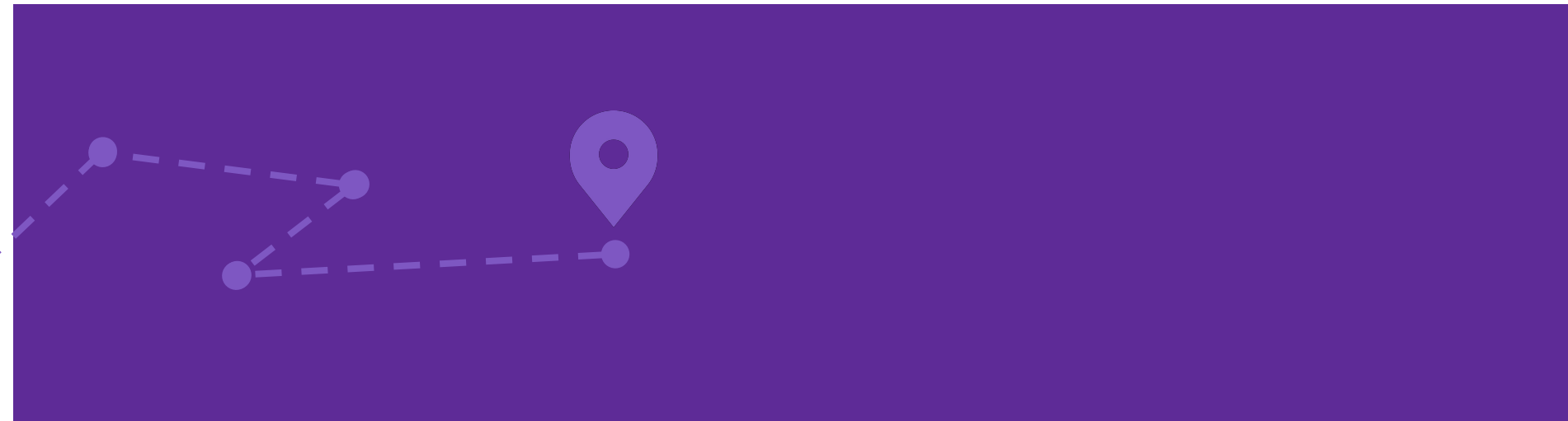




LocateCRM

Design Process - Brady Underwood



App Demo (4 minutes) [link](#)



What is it?

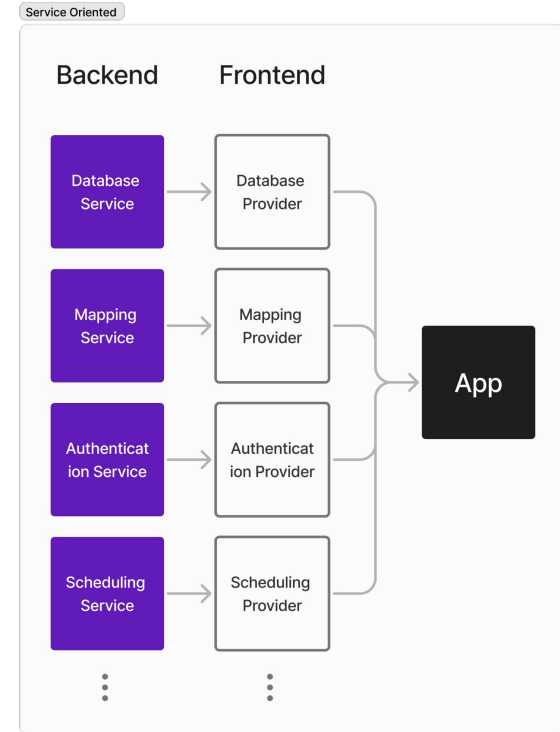
A location based CRM (Customer Relations Management) app built for small door to door or field sales businesses

What does it do?

LocateCRM allows you to mark leads on an interactive map, store and display important customer information, and schedule meetings

Design Process (6 minutes)

Service-Oriented Architecture -
dividing core features into unique
services containing individual
business logic



Models and Diagrams

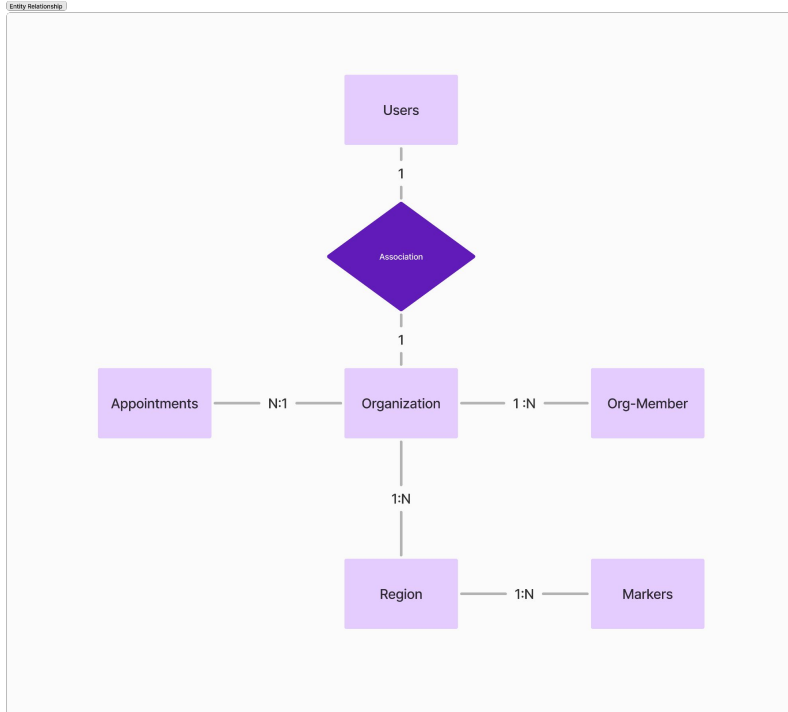
Data Structure

Collection	Field	Type	Description
markers	id	uuid	Unique identifier for the marker
	position	geography(POINT)	Geographic position of the marker Marker position
	address	varchar(255)	Optional customer address
	status	varchar(20)	Marker status
	email	text	Customer email address
	name	text	Customer name
	phone	varchar(20)	Customer phone number
	scheduled_date	timestamp	Scheduled appointment date/ time
	created_at	timestamp	Marker creation date/time
	notes	text	Additional notes for the marker

Collection	Field	Type	Description
appointments	id	uuid	Unique identifier for the appointment
	date_time	timestamp	Date and time of appointment
	duration	integer	Duration of the appointment (mins)
	notes	text	Additional notes for the marker
	created_at	timestamp	Marker creation date/time

Collection	Field	Type	Description
users	id	uuid	Unique identifier for the user
	name	text	Users name (first and last)
	is_verified	boolean	Email address verification status (some features disabled until verified)
	location	geography(POINT)	Last known location (updates every 15 minutes while app is open)

Entity Relationship Diagrams



- One Organization has many Org_Members (1:N)
- One User can be associated with one Organization (1:1)
- One Organization can have many Regions (1:N)
- One Region can have many Markers (1:N)

Class Diagrams

Purple - Class

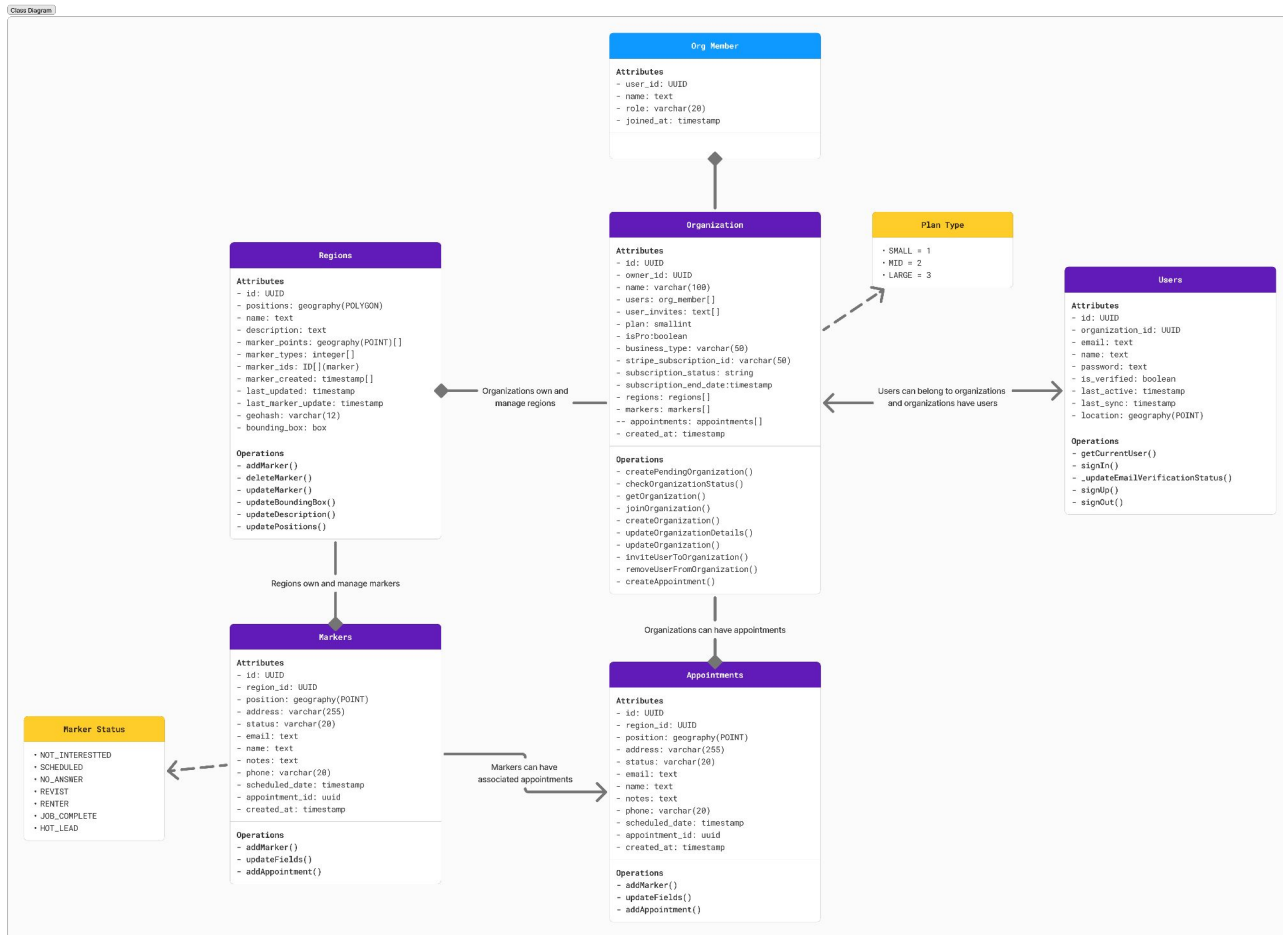
Blue - Abstract Class

Yellow - Enumeration

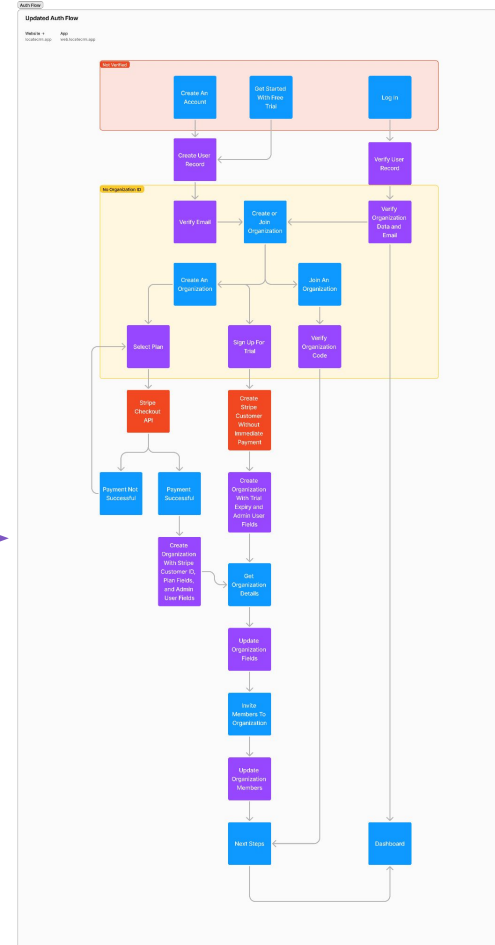
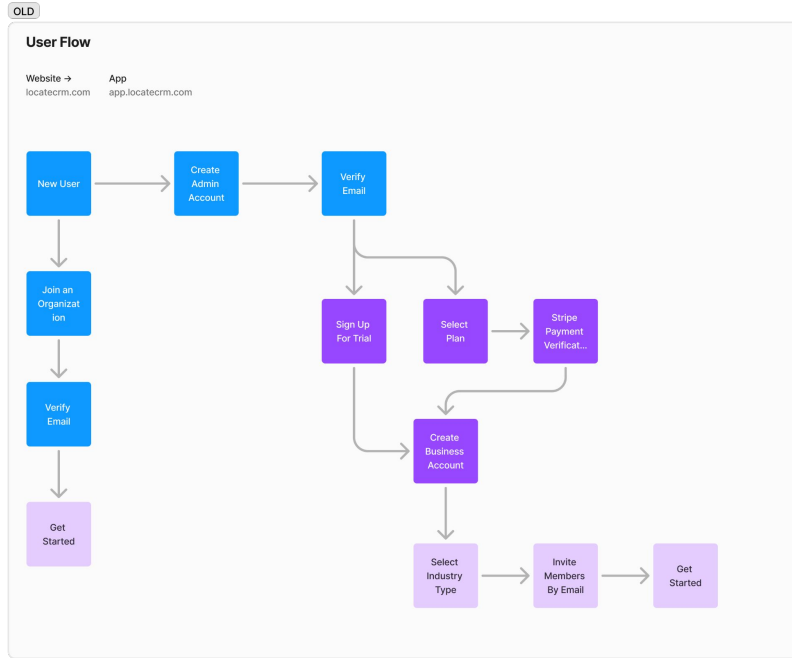
→ Association

---→ Dependency

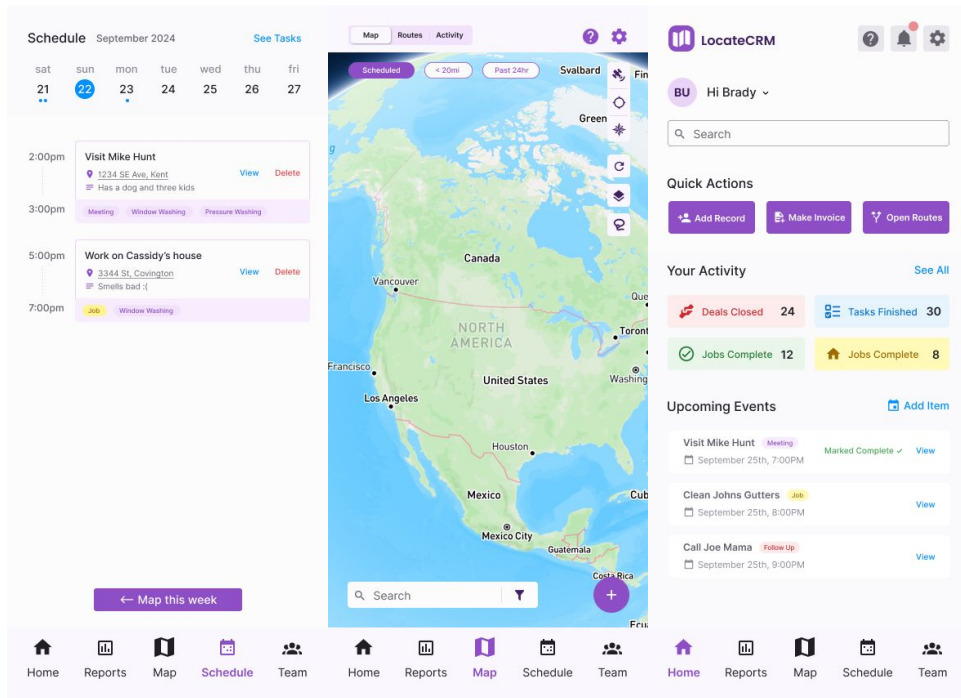
◆ Composition



User Flow Diagrams



Tech Stack + UX Designs



Tech Stack

- **Flutter** - Web, IOS, Android
- **Supabase** - Database + Auth
- **Mapbox** - Mapping API's
- **Google Calendar** - Scheduling API's

Questions?

Thanks!