Project #1
✔ GeoTask

by: Shelly Cheng &
Jason Toups

January 27th, 2020

MVP

- User signs up for account, and can create or signin with social signin; facebook/google.
- Show lists of tasks, that can be created, edited, updated, marked as complete, and sorted.
- Assign predefined categories to task list, with corresponding category color.
- Assign & update geolocation to individual task list.
- View map with home location, and tasks markers that have a geolocation, colored by category, and have a badge with number of tasks in the list.
- Mobile - first design for layout and interaction.

Stretch Goals

- Categories UI Elements for filtering task lists by category
- Autocomplete on Google Map Search
- User can access profile page with account info.
- Assign emoji to task list categories.
- Stretch: JWT(JSON Web Token)
- Searching for tasks
- Phone number and email confirmation.

Milestones

Shelly

- Sign up
  - encrypting password
  - Social Sign up (google), search for google ID
  - phone number or email confirmation(6 digit code)
- Log in
  - Basic Email Password Auth
  - Session connect or **Stretch: JWT(JSON Web Token)**
- To-Do list All
  - fetch all data and show on page
  - sorting
  - **Searching**
- To-Do Detail Page
  - Edit function(update)
- To-Do Create Page
  - create new to-do and update database

Jason

- Sign up
  - Social Sign up (Facebook)
- Map
  - Populate location pin on map
  - Show detail view when user clicks the pin
  - Google autocomplete and search terms
    - https://developers.google.com/maps/documentation/javascript/places-autocomplete
  - Grouping markers with same location on Map.
  - Create map markers as SVGs, and assign color by category.
  - Get badge on markers to show number of tasks in list.
  - Show all current tasks with geolocations on Map.
- Todo List - All
  - Show distance from task list to home or current location.

GA GENERAL ASSEMBLY

User Stories

User Story - Signup/Login
- As a user, I can create an account.
- I can input basic info for signup, or signup with Facebook or Google Account.

User Story - Profile
- As a user, I can add Profile info, edit info, or link from Facebook or Google account.

User Story - List View - All
- With any amount of todo lists, I can search a local map for the locations associated with all (or filtered return) of the todo lists.
- With several todo lists, I can sort them by geolocation, date due, or (last updated list - default), and filter by categories and (stretch - collaborator).
- Create list.
- The list headers shows the distance from the list to my home location, or (if permitted) from the list to my current location.
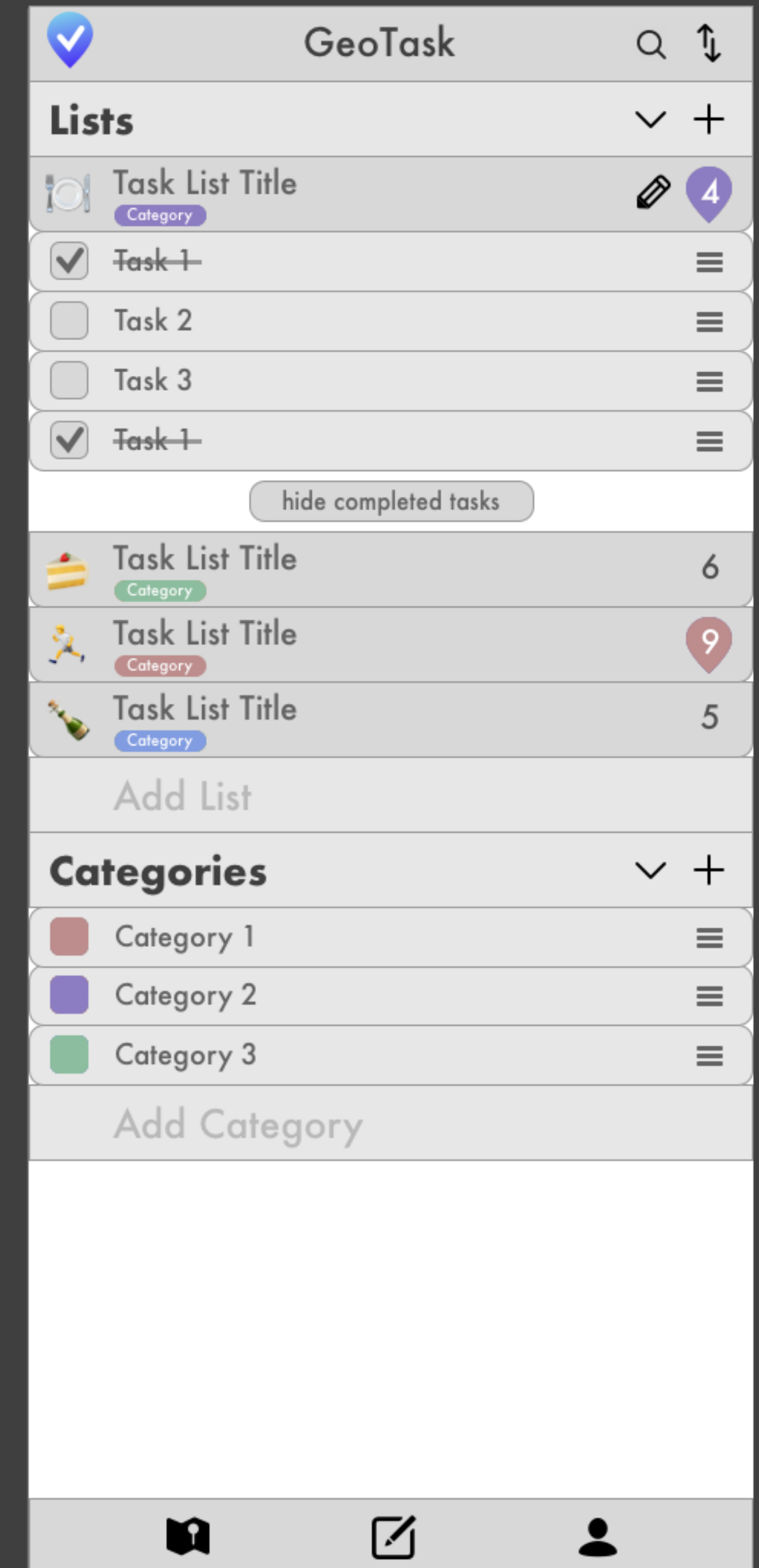
User Story - List View - Detail
- With the todo list, I can see & edit; list title, list of items, geolocation, date due, category, (Stretch goal - collaborator).
- Geolocation of list in a thumbnail near the title of the list.
- On list detail view, as a user, I will be able to update all list data.
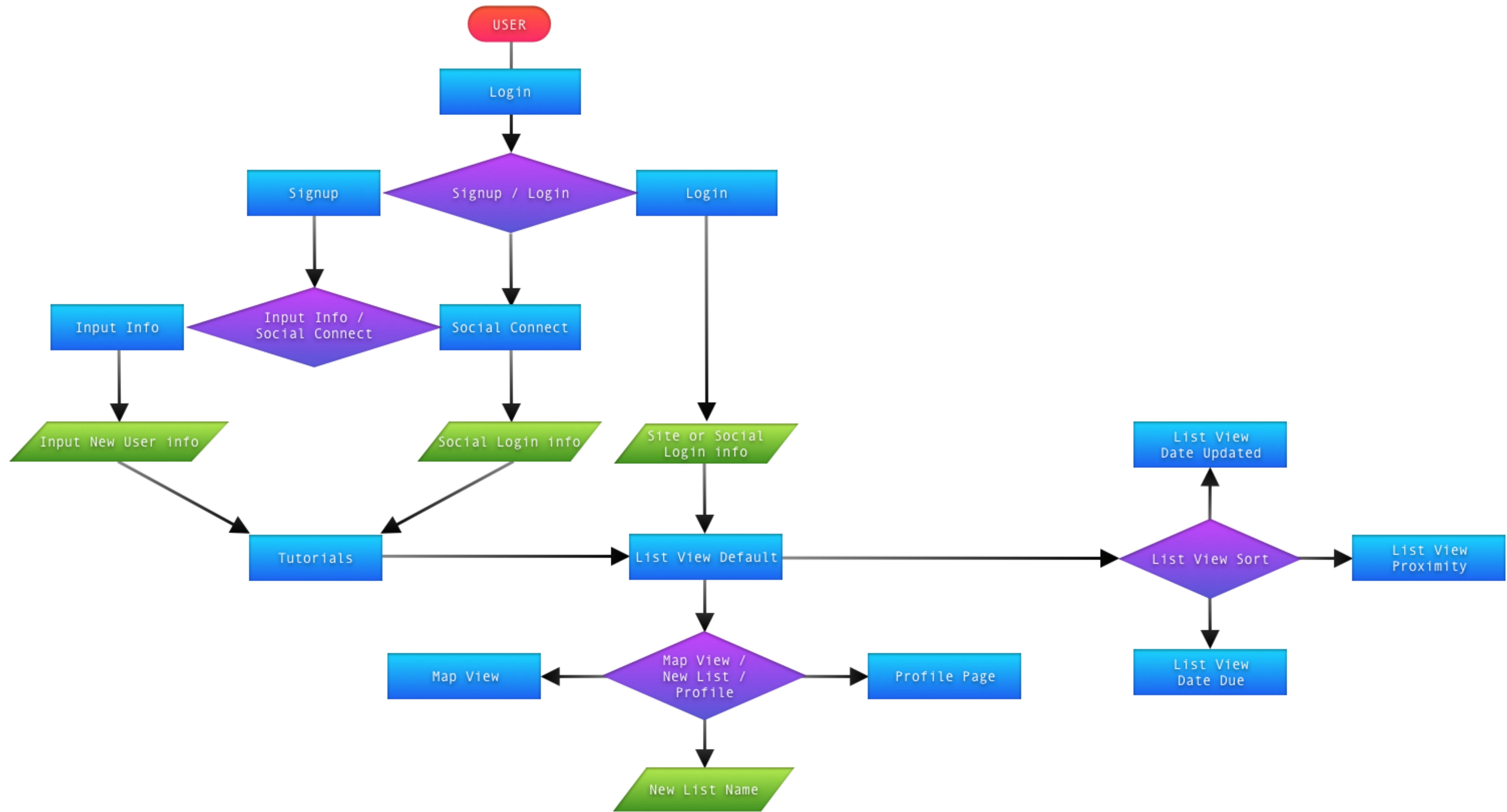
User Story - List View - Create
- With your account, you can create a todo list.
- With the todo list, you can assign; list title, list of items, geolocation, date due, category, (Stretch goal - collaborator).
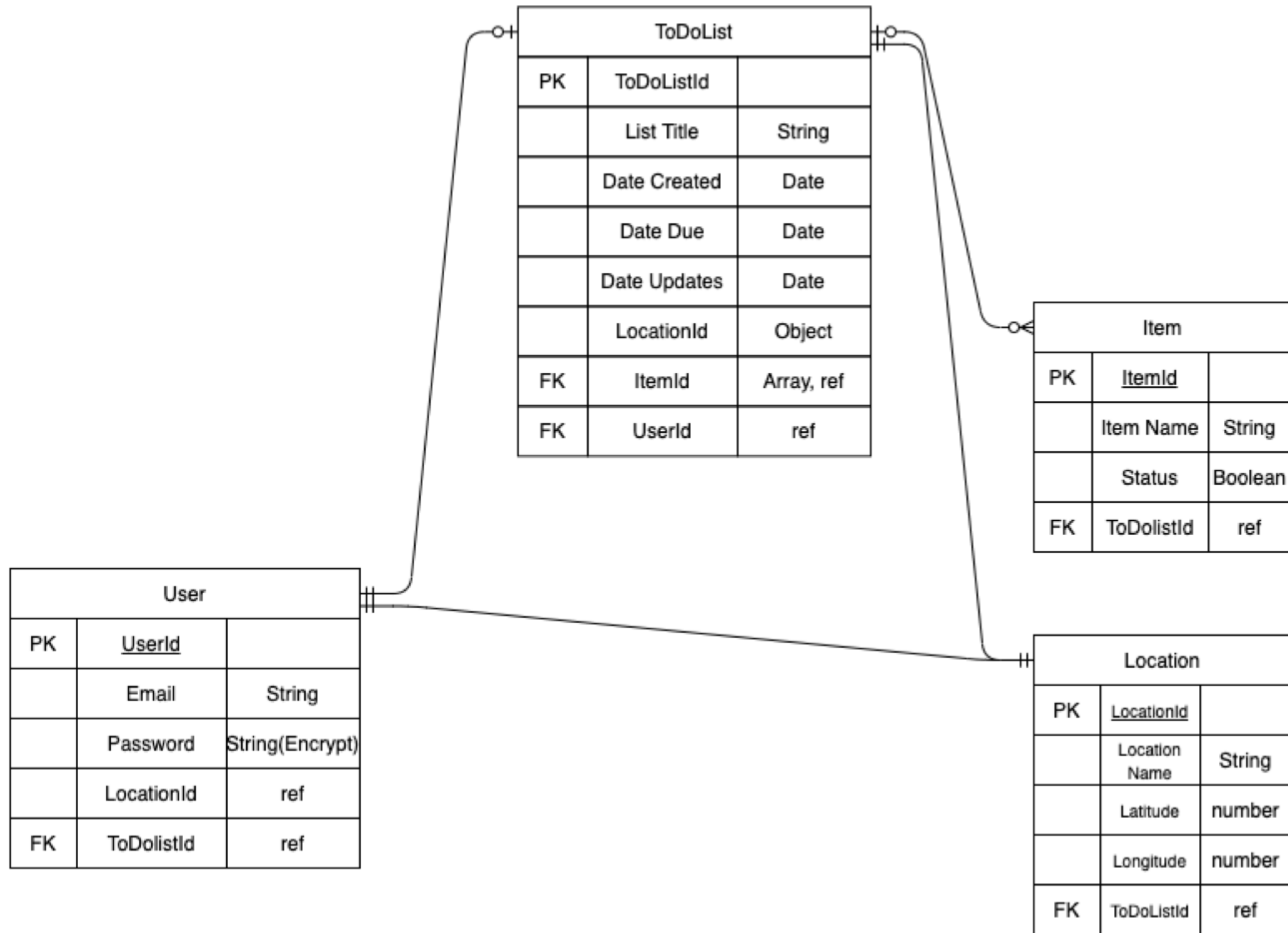
User Story - Map View - All
- With geolocations assigned to lists, you can view a local map with all of your todo list locations.
- Select location on map, and view associated todo list as a popup.
- (Stretch Goal - Always on geolocation verification, todo list would popup if nearby).

GeoTask

Lists

Task List Title
Category   4
☑ Task 1
☐ Task 2
☐ Task 3
☑ Task 1
hide completed tasks
Task List Title
Category   6
Task List Title
Category   9
Task List Title
Category   5
Add List

Categories

Category 1
Category 2
Category 3
Add Category

User Flow

ERD

ToDoList

PK	ToDoListId	
	List Title	String
	Date Created	Date
	Date Due	Date
	Date Updates	Date
	LocationId	Object
FK	ItemId	Array, ref
FK	UserId	ref

Item

PK	ItemId	
	Item Name	String
	Status	Boolean
FK	ToDolistId	ref

User

PK	UserId	
	Email	String
	Password	String(Encrypt)
	LocationId	ref
FK	ToDolistId	ref

Location

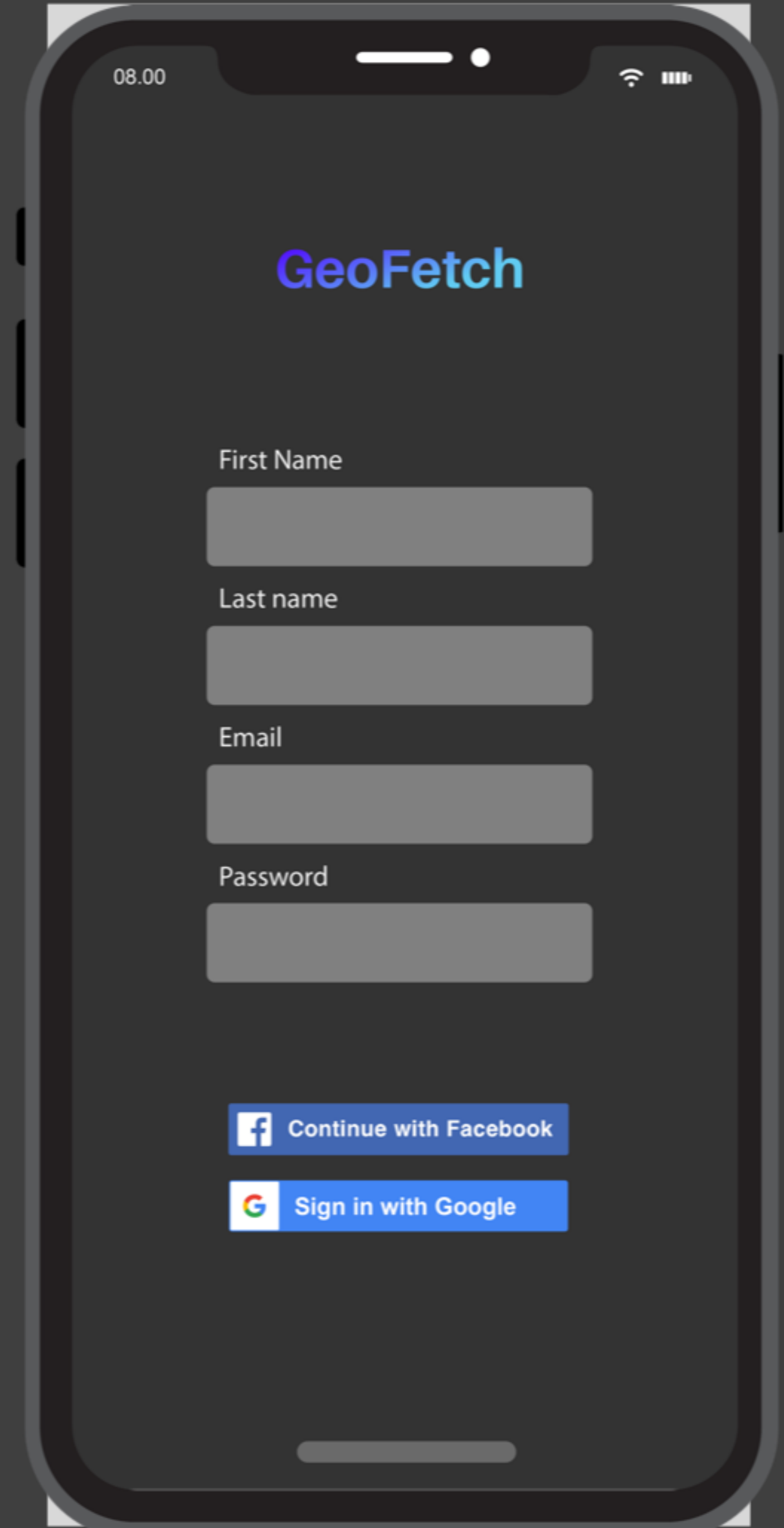| PK	LocationId	
	Location Name	String
	Latitude	number
	Longitude	number
FK	ToDoListId	ref

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- I can input basic info for signup, or signup with Facebook or Google Account.
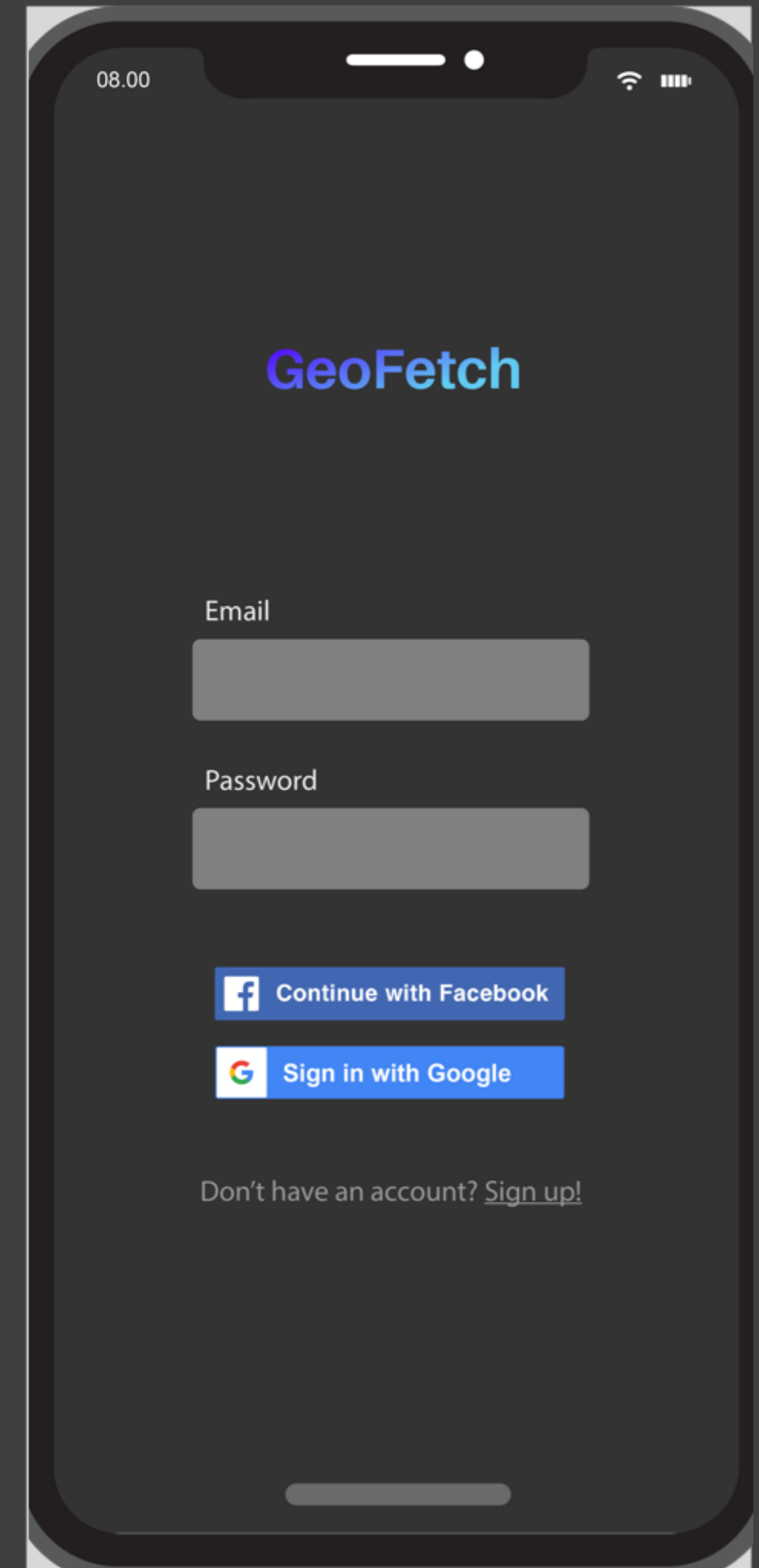
User Flow - Signup

User Flow - Login

User Story - Signup/Login

- As a new user, I can create an account.
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User Flow - Signup

User Flow - Login

GeoFetch

Email

Password

f **Continue with Facebook**

G **Sign in with Google**

Don't have an account? Sign up!

GENERAL ASSEMBLY
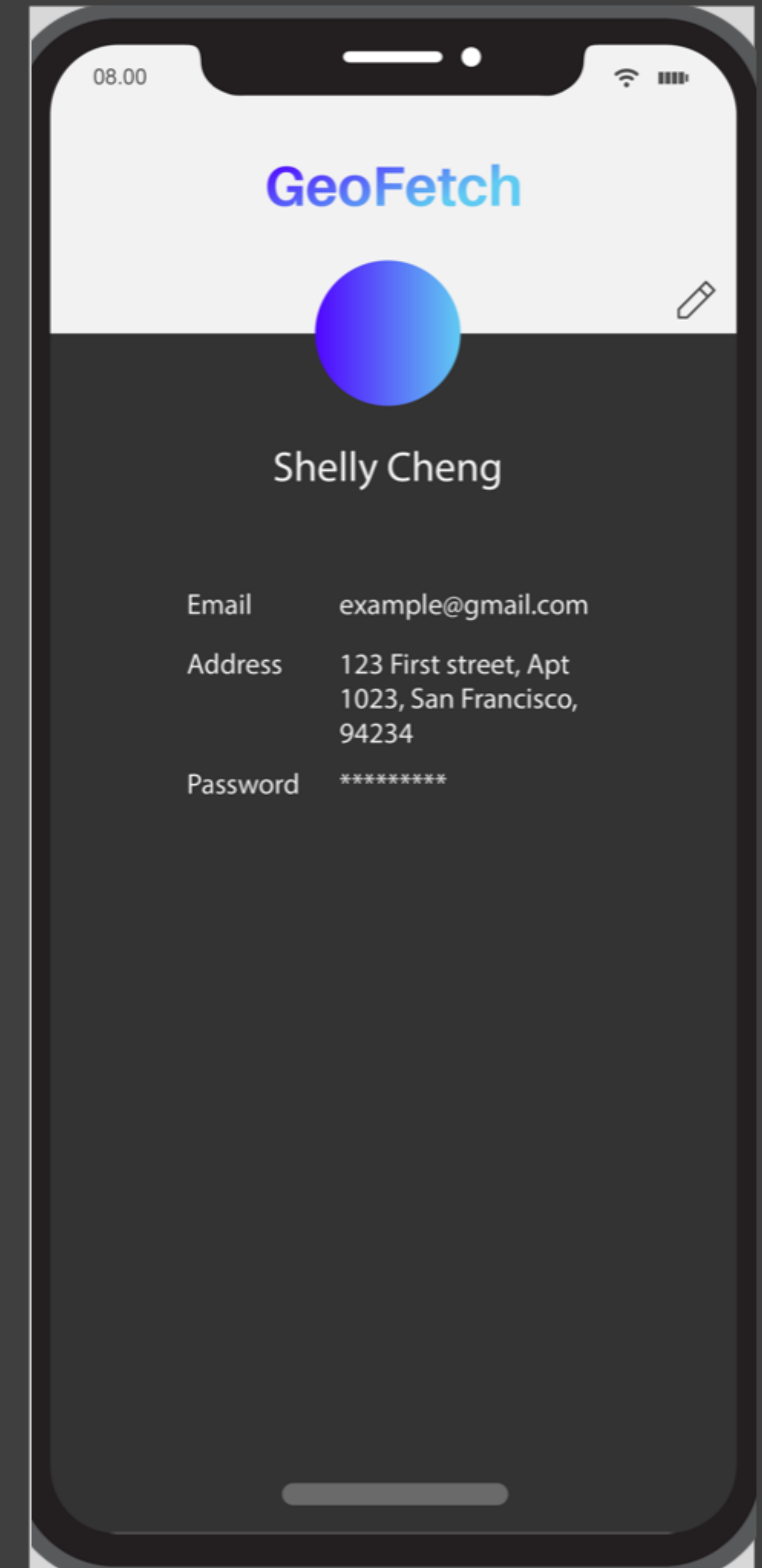
User Story - Profile

- As a user, I can add Profile info, edit info, or link from Facebook or Google account.

User Flow

GeoFetch

Shelly Cheng

Email   example@gmail.com

Address   123 First street, Apt
               1023, San Francisco,
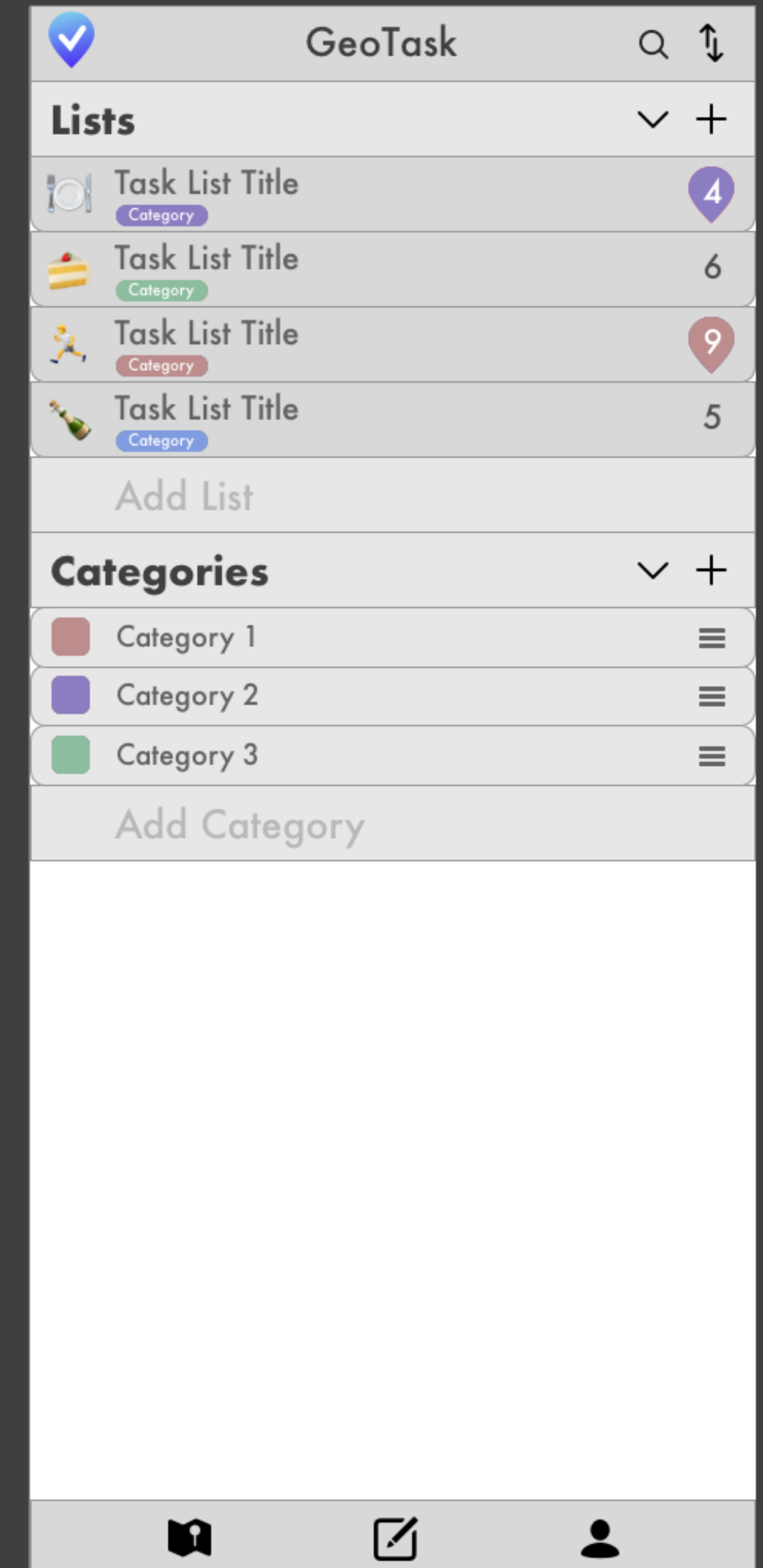   94234

Password   *********

Todos
Update the mockups from the pics.

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User Flow

GeoTask

Lists

	Task List Title	4
	Category	
	Task List Title	6
	Category	
	Task List Title	9
	Category	
	Task List Title	5
	Category	

Add List

Categories

	Category 1	≡
	Category 2	≡
	Category 3	≡

Add Category

GA GENERAL ASSEMBLY

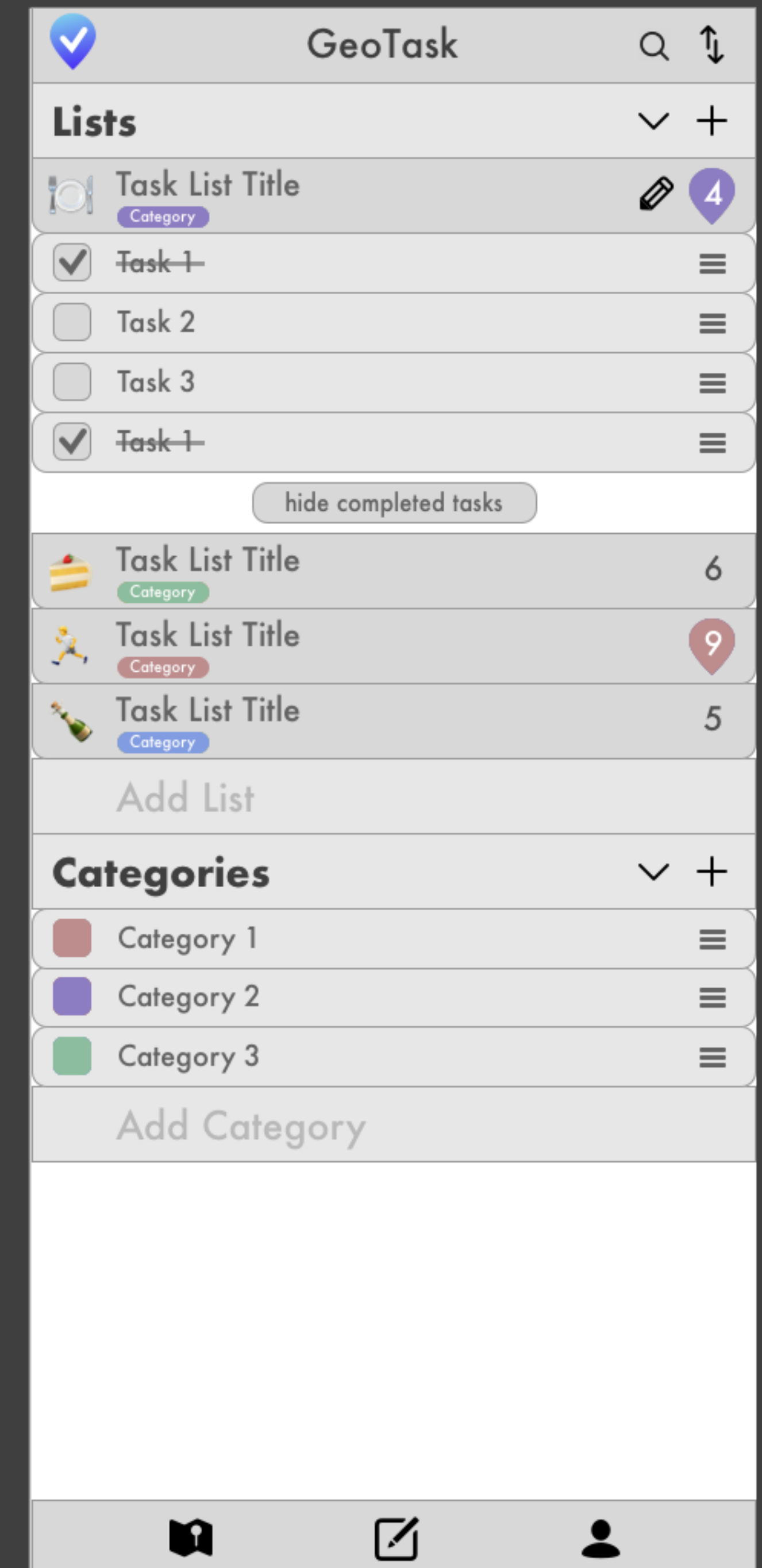**User Story - List View - Create**

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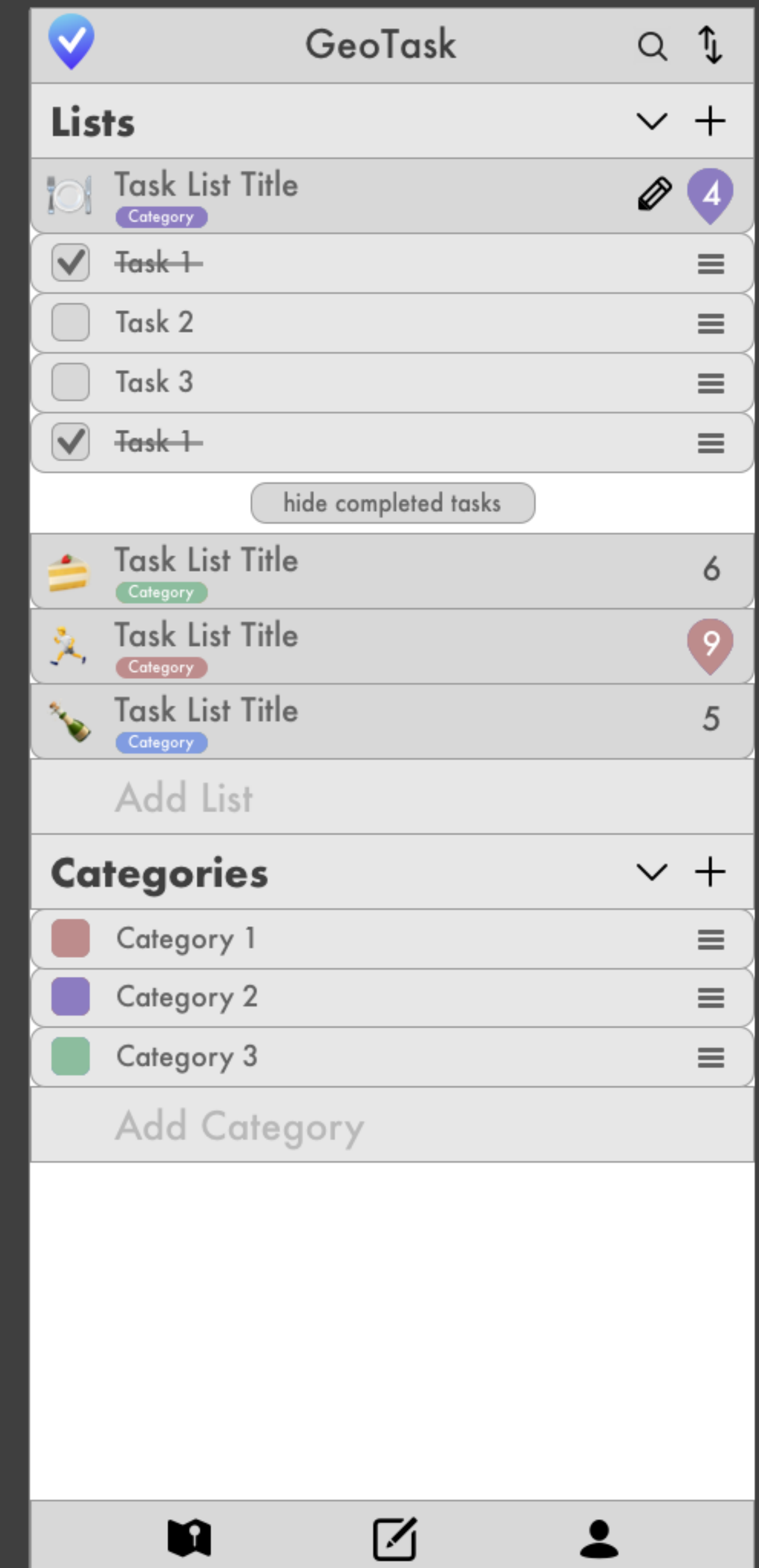
User Flow

GeoTask

Lists

🍽️ **Task List Title**
Category   ✏️ 4

☑️ ~~Task 1~~

☐ Task 2

☐ Task 3

☑️ ~~Task 1~~

hide completed tasks

🍰 **Task List Title**
Category   6

🏃 **Task List Title**
Category   9

🍾 **Task List Title**
Category   5

Add List

Categories

🟥 Category 1

🟪 Category 2

🟩 Category 3

Add Category

User Story - List View - Detail

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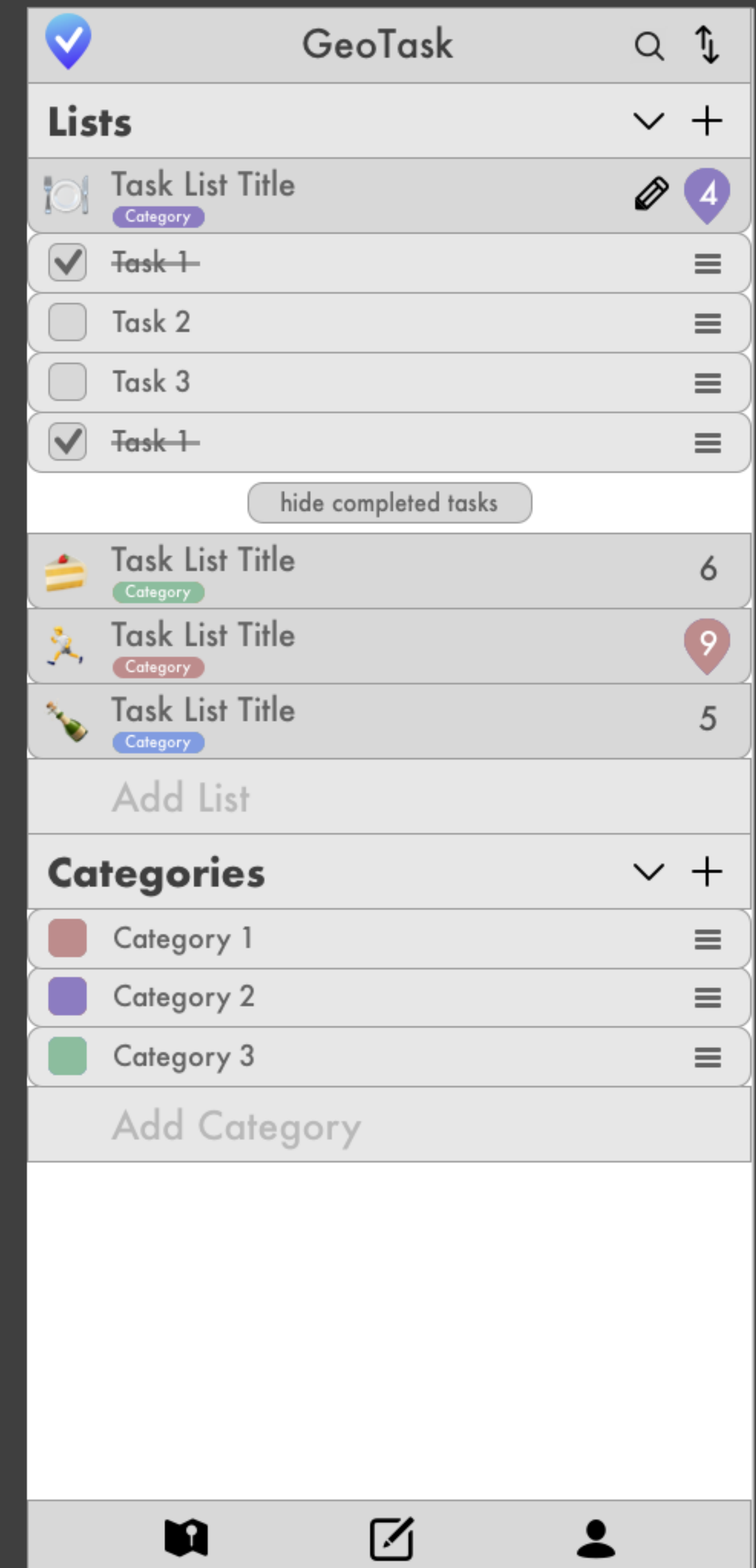- On list detail view, as a user, I will be able to update all list data.

User Flow

GeoTask

Lists

🍽	**Task List Title** Category	✏	4
☑	~~Task 1~~		☰
☐	Task 2		☰
☐	Task 3		☰
☑	~~Task 1~~		☰

hide completed tasks

🍰	**Task List Title** Category	6
🤸	**Task List Title** Category	9
🍾	**Task List Title** Category	5

Add List

Categories

🟥	Category 1	☰
🟪	Category 2	☰
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Add Category

GENERAL ASSEMBLY

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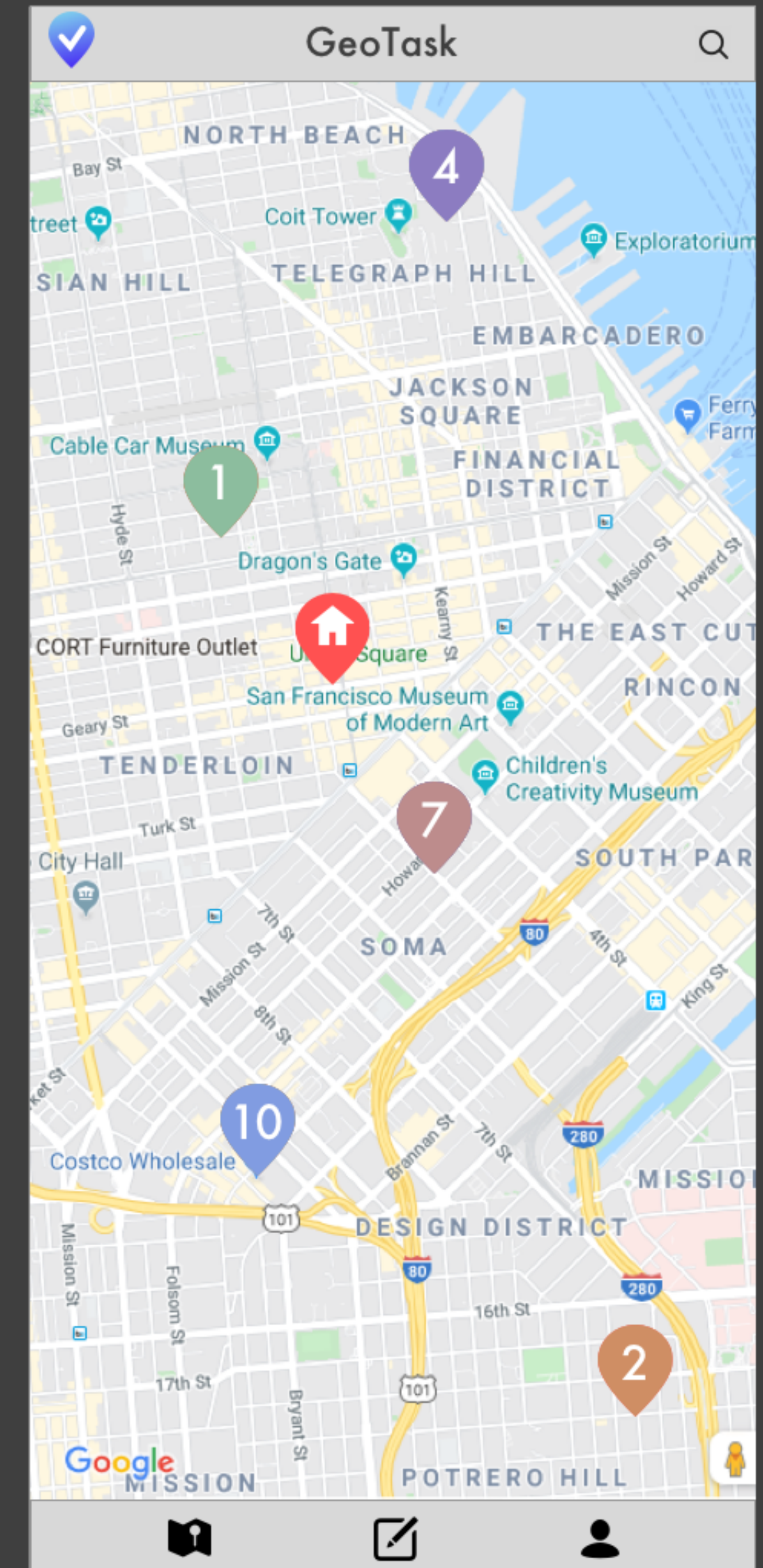- On list detail view, as a user, I will be able to update all list data.

User Flow
I think we should just double tap/select any title, task, or category to edit it, in-place.

GeoTask

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Category ✏️ 4

☑️ ~~Task 1~~

☐ Task 2

☐ Task 3

☑️ ~~Task 1~~

hide completed tasks

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Category 5

Add List

Categories

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Add Category
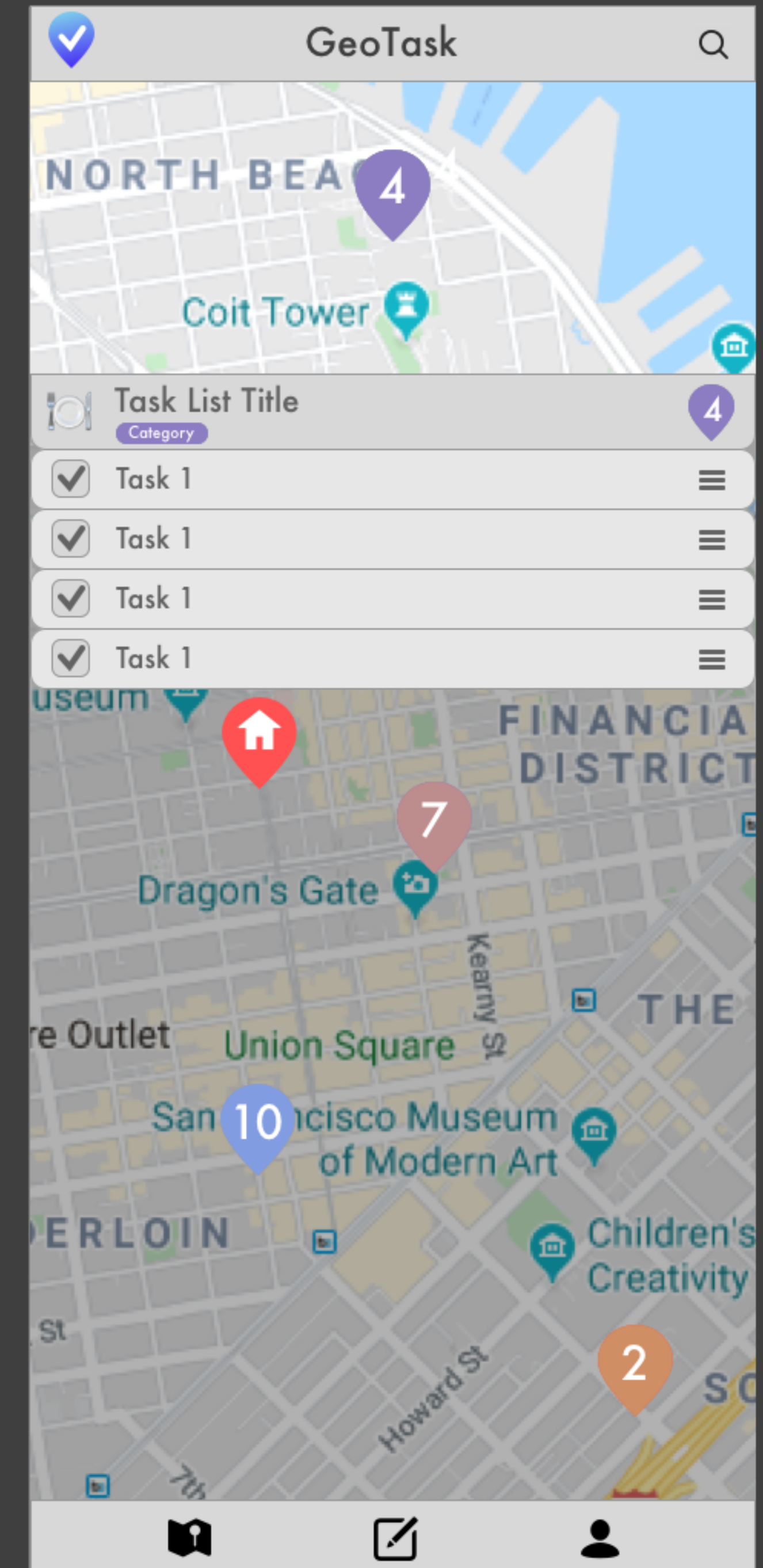
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Map View - Adding Location to Task List

User Story - Map View - All

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