

Requirements & Design Document - v.1

Spek Application

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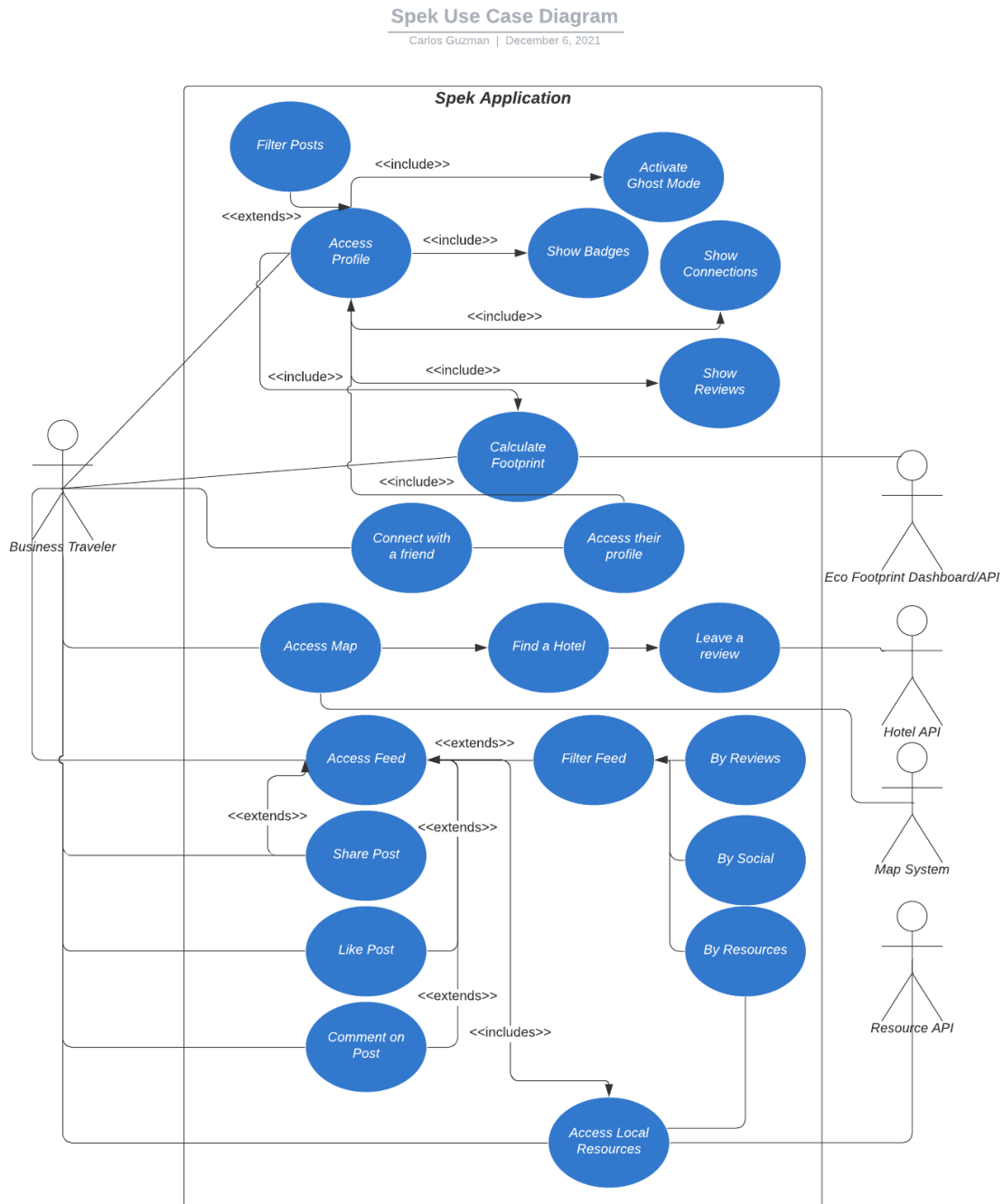
Section 1: Requirements

Personas

<div> <div>LAUREN GOMEZ</div> <div> <i>"I want to share my business trip experiences with my colleagues in a professional manner."</i> </div>  </div>	<p>about</p> <p>Lauren is a business consultant working in Irvine, CA who frequently travels domestically and occasionally travels internationally. Lauren and her Irvine colleagues often recommend certain hotels to one another and she wishes to see her out-of-state and international connections recommendations as well.</p>	<p>bio & personality</p> <p>Age: 30 Status: Married Location: Irvine, CA Income: \$80k</p> <p>Professional: likes to maintain her personal life and media separate from work</p> <p>Private: doesn't like to share too much personal information</p>
	<p>needs</p> <ul style="list-style-type: none"> • View her colleagues' hotel experiences for future reference • Connecting with out-of-state and international colleagues • Keep track of her hotel stays and her experience • Bookmark certain reviews or posts for future reference 	<p>frustrations</p> <ul style="list-style-type: none"> • Remembering which hotel stays were a positive experience and which ones weren't • Meeting with colleagues during business trips can be difficult • Current hotel review platforms are mostly leisure related • Doesn't feel comfortable sharing personal non-work related social media with colleagues
	<p>goals</p> <ul style="list-style-type: none"> • Share business trip experience and hotel stays with connections • Keep and maintain connections made during business trips • Communicate with connections in a professional manner • Modify what type of information is viewable to her connections 	<p>frequently used apps</p> <div>    </div> <div> linkedin yelp the dyrt </div>

Functional Requirements

Use Case Diagram



Must Haves

1. Feed full of reviews and connections

As a business traveler, I want to be able to view details on hotel reviews that my connections have posted so that I can see where my colleagues have traveled and if they recommend any hotels.

2. Filter between the different posts on the user feed

As a reviewer, I want to be able to filter the different posts I see on the user feed so that I can easily find the type of content I want to view.

3. Give "PROPS" on review or travel post/Flag a review or travel post for review

As a reviewer, I want to be able to give "props" (upvote/like) to a review or travel-related post on my feed so that I can let my connections know which posts I found helpful as well as interact with my connections.

4. View a article

As a business traveler, I want to be able to view an entire news article from my user feed, so that I do not need to exit the spek app and can go back to my user feed after reading it.

5. Earn badges/trophies

As a business traveler, I want to be able to share milestones reached when earning certain badges so that I can establish myself as a trustworthy reviewer and Spek user.

6. Move between user feed and user profile

As a user, I want to be able to navigate from my user profile to my user feed so that I can view my own information and reviews and also see my connections' reviews and news articles whenever I want to.

7. Request to Connect and accept any Connections

As a business traveler I want to be able to connect with my fellow business colleagues so I can view any badges or updates they have or if they have made any hotel reviews.

8. Search a colleague

As a business traveler, I want to be able to search up my colleagues by username so I can connect with them and have their activity be on my user feed

Nice to Have

1. Miles traveled

As a business traveler, I want to be able to know how many miles I have traveled not only on the duration of my trip, but for the entirety of all of my trips so that I can compare the miles traveled with all of my connections and be more mindful of my footprint.

2. Comment on review or travel post

As a reviewer, I want to be able to comment on other reviews or travel posts so that I can interact with my connections as well as interact with people who I'm not connected with yet and potentially make new connections.

3. View comments

As a reviewer, I want to be able to view other comments on a post so I can further my connections and see what other users have to say about a post.

4. ECO Footprint algorithm estimator

As a business traveler who travels a considerable amount, I want to be able to track my carbon footprint through the application so that I can be more mindful when I travel and compare my footprint to my connections.

5. Post my eco-footprint

As a business traveler, I want to be able to post my eco-footprint to share with my connections so they can see how eco-friendly I am on my business trips.

6. Profile privacy features

As a business traveler I want to be able to turn off my location sharing when I post so my connections cannot track where I am and to ensure privacy for my own safety.

7. Digital Wallet

As a business traveler, I want to be able to have a digital wallet where I can have my cards ready whenever I need them so that way I can have all of my cards in one place and keep track of my spending.

Would Like to Have if Time Allows

1. Network connections and relations (ex: Ted follows your business associate Zach) Similar to LinkedIn connection

As a businessperson, I want to be able to see connections who are close to my network, in order to connect with them and expand my network.

2. Share review or travel post

As a business traveler, I want to be able to share posts and reviews I find helpful in order to show my fellow business travelers and connections

3. COVID resources

As a traveler, I want to see relevant Covid-19 resources and regulations such as news articles and outbreak statistics from the area I am traveling to, in order to be knowledgeable before my trip.

4. Create advertising avenues

As an advertising agency, I want to be able to utilize a business travel app that can be outsourced and sold to many different businesses, in order to create new avenues of advertising and profit.

5. Expense tracking

As a business traveler, I want to have a place where I can log a detailed list of expenses for the entirety of my trip, in order to provide a clean and concise, but detailed, list of expenses to show my employer for compensation.

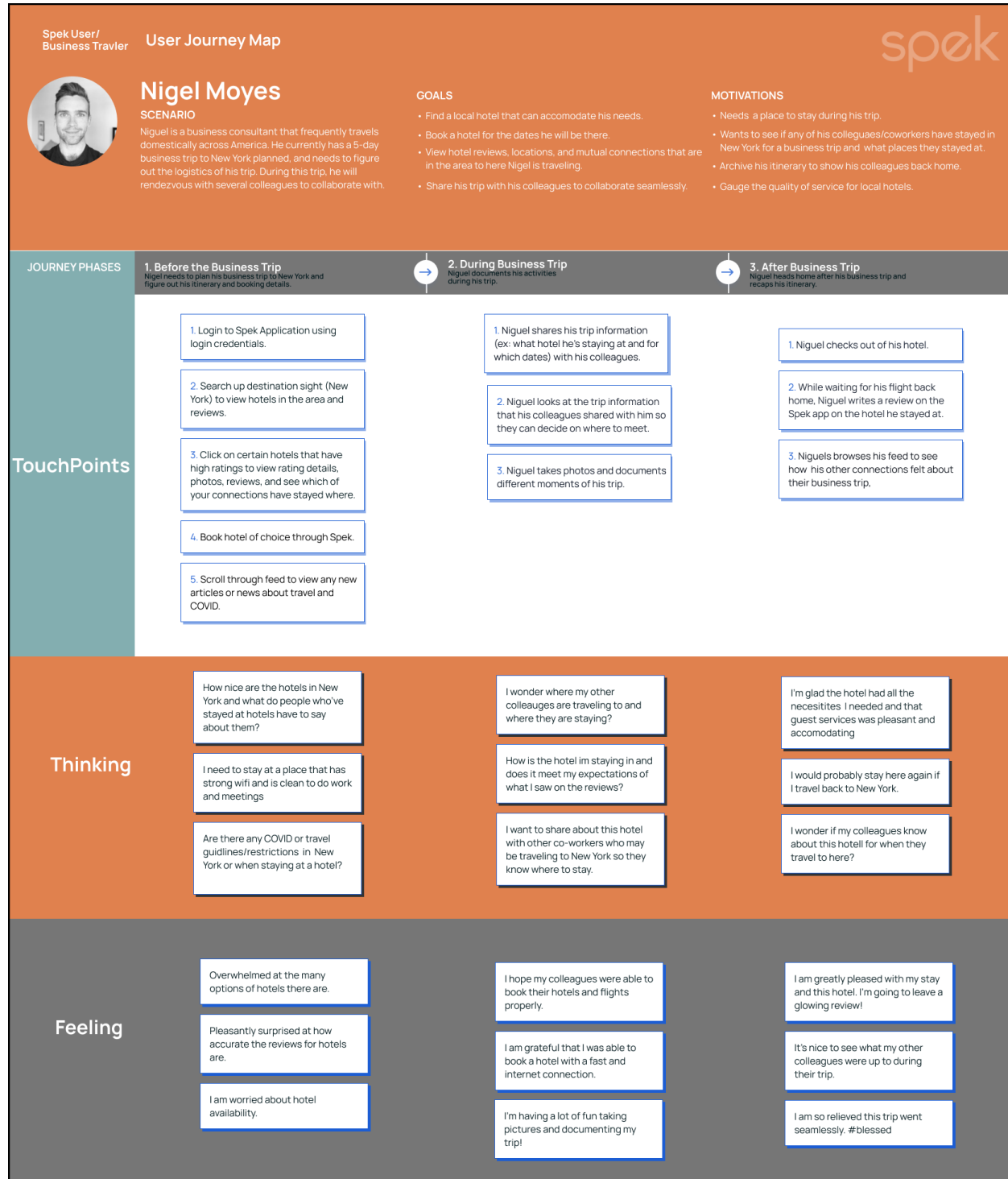
Non-Functional Requirements

1. Security:
 - As a business traveler, I want my location to be hidden from my connections until I manually untoggle ghost mode.
 - As a business traveler, I want my profile to be hidden unless I give permission to have it open to the public.
2. Supportability:
 - As a user, I want to be able to run the app on either an Android or iOS device.
3. Reliability:

- As a user, I want the application to be up and running 99% of the time so that I can access my account and information.
4. Availability:
- As a reviewer, I want to be able to post a review either during or after my business trip.
 - As a business traveler, I want to be able to view hotel reviews before I go on my business trip.
5. Performance:
- As a business traveler, I want my feed to load within 5 seconds so that I can see what my connections are up to.
6. Usability:
- As a user, I want to be able to learn how to navigate through the app and use it to leave reviews within 15 minutes of downloading the app.
7. Maintainability:
- As a software engineer, I want to be able to learn how to use the codebase within a week in order to make updates to the application and system.

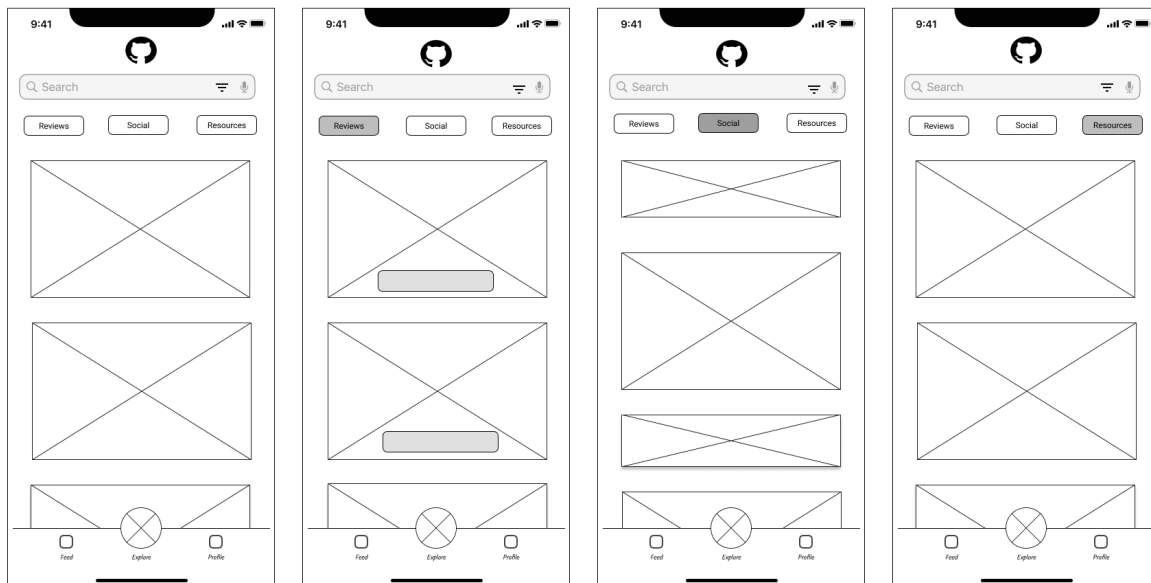
Section 2: UX Design

User Journey Map and Touchpoints

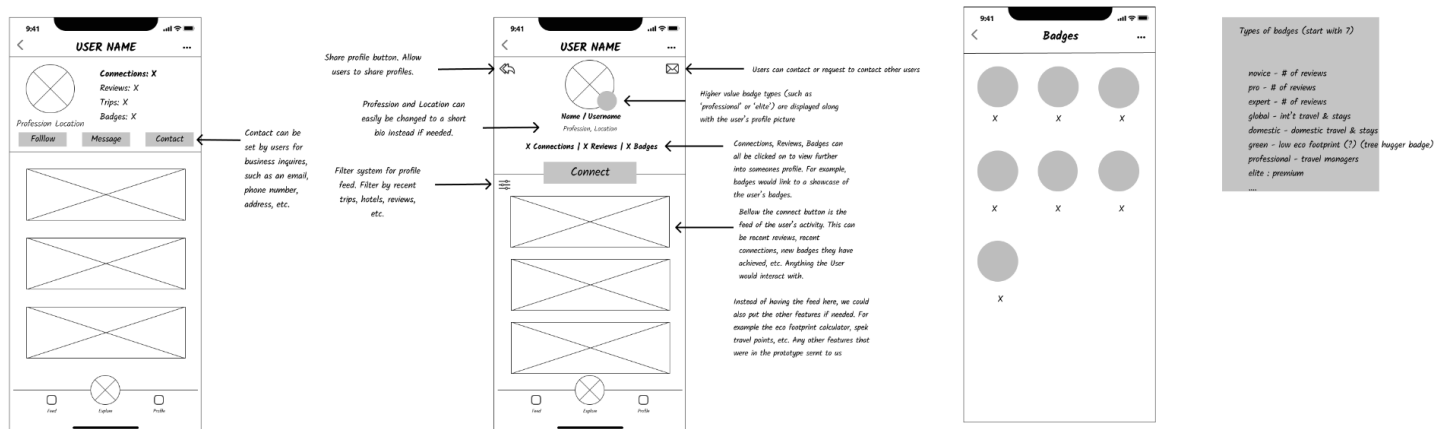


Wireframes

Feed Wireframe

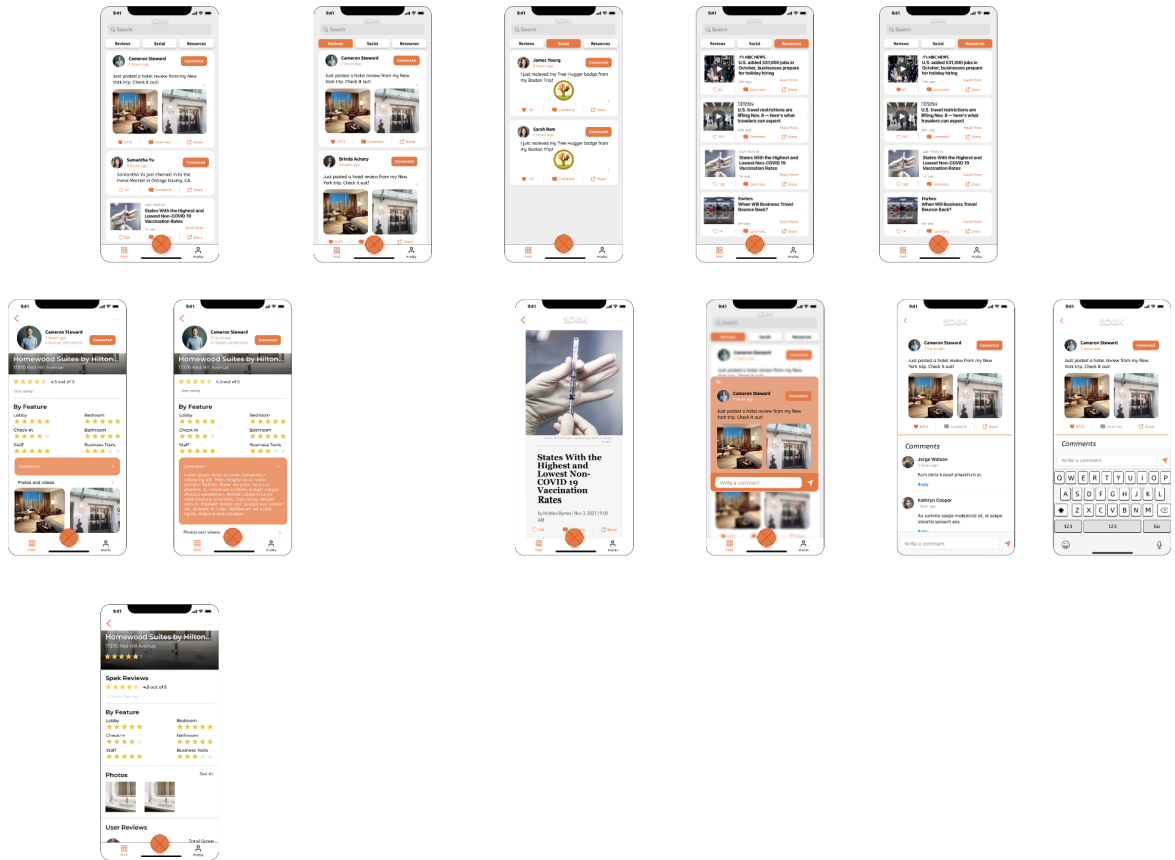


User Profile and Badges Wireframe

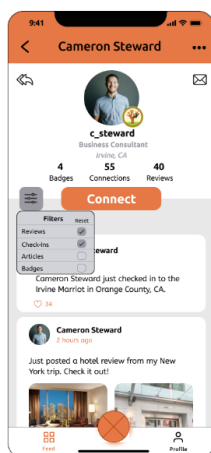
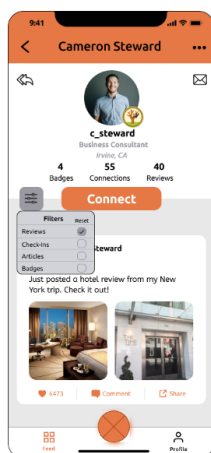
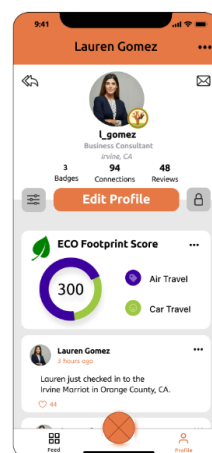
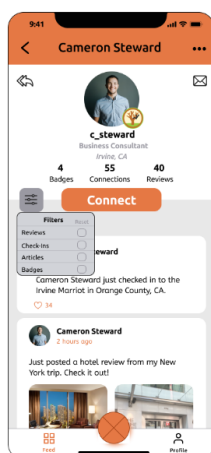
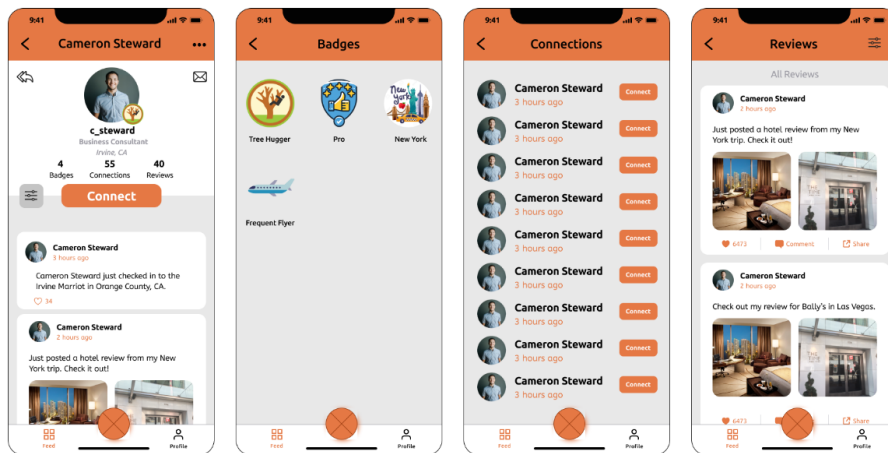


Mockups

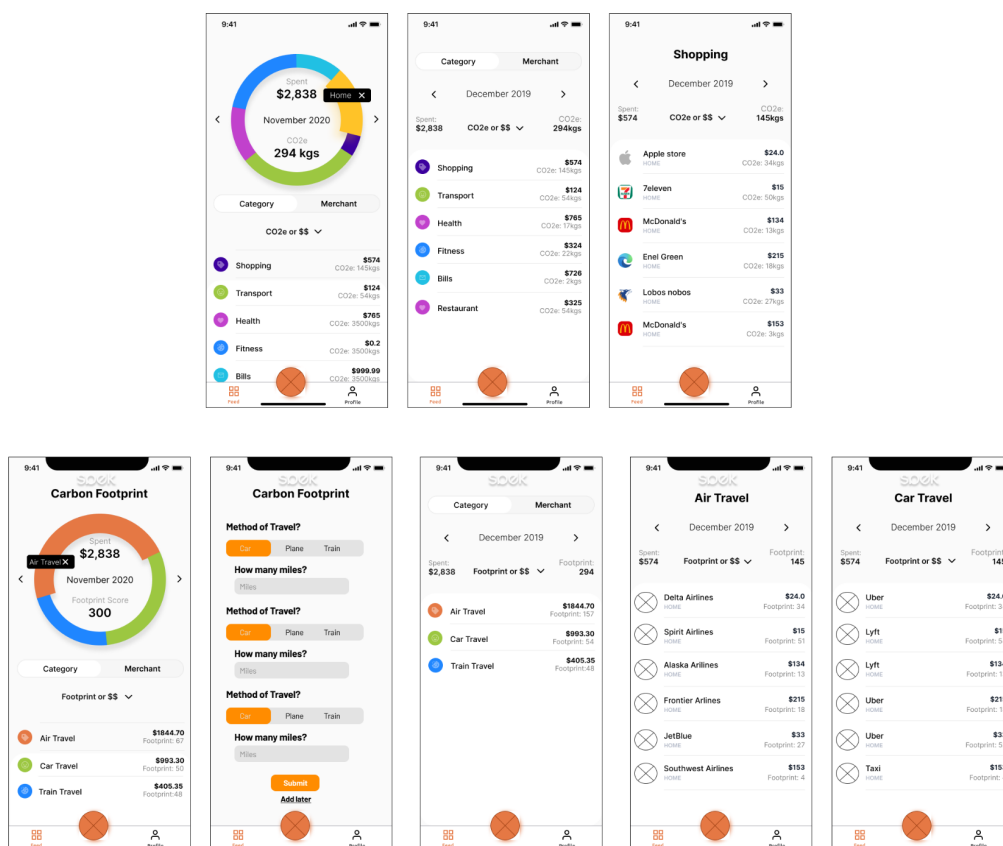
User Feed Mockup



User Profile and Badges Mockup



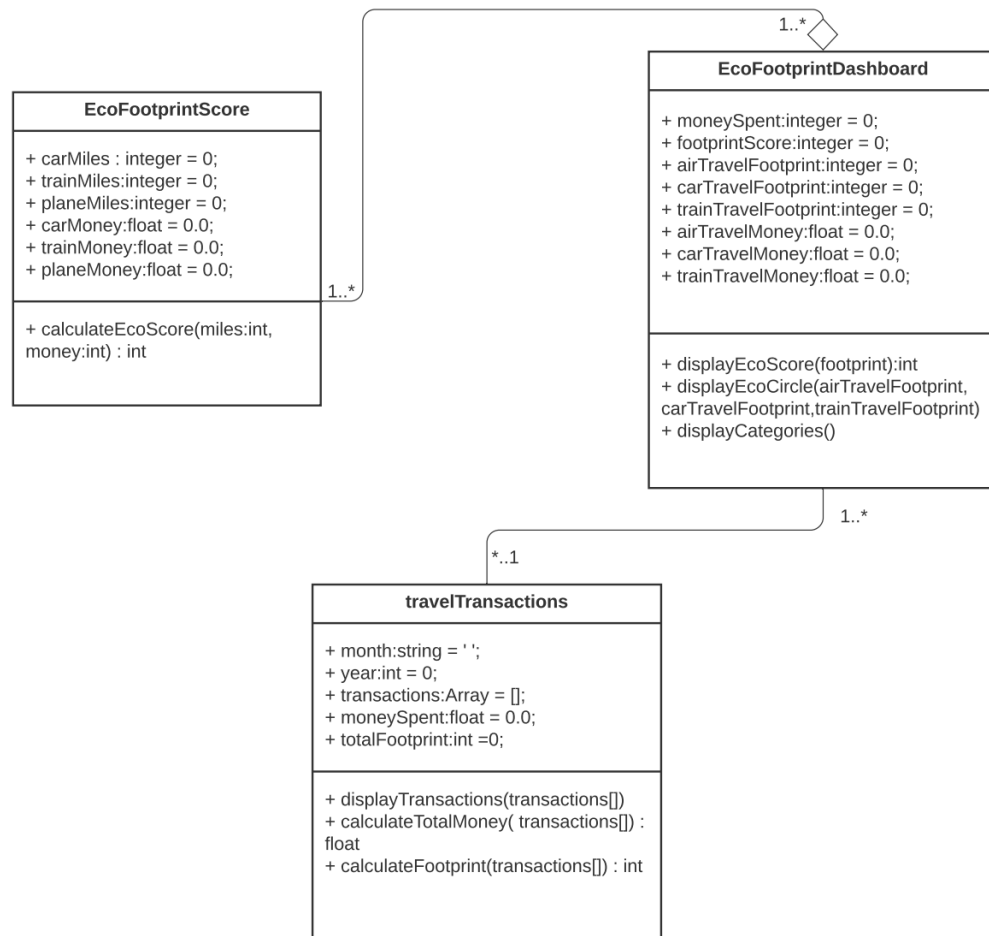
Eco Footprint Mockup



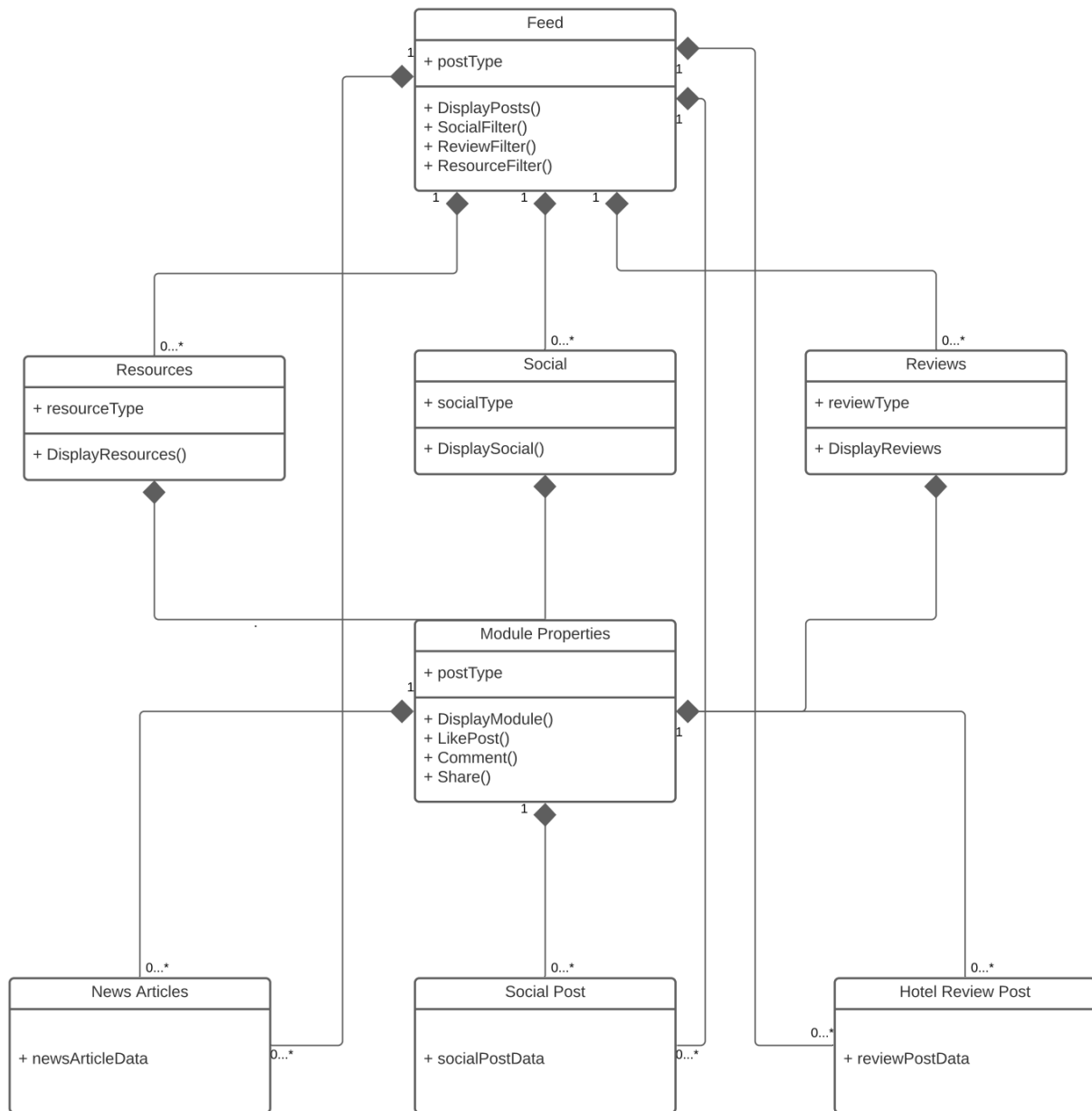
Prototype of All Three Features Interacting

Section 3: Software Design

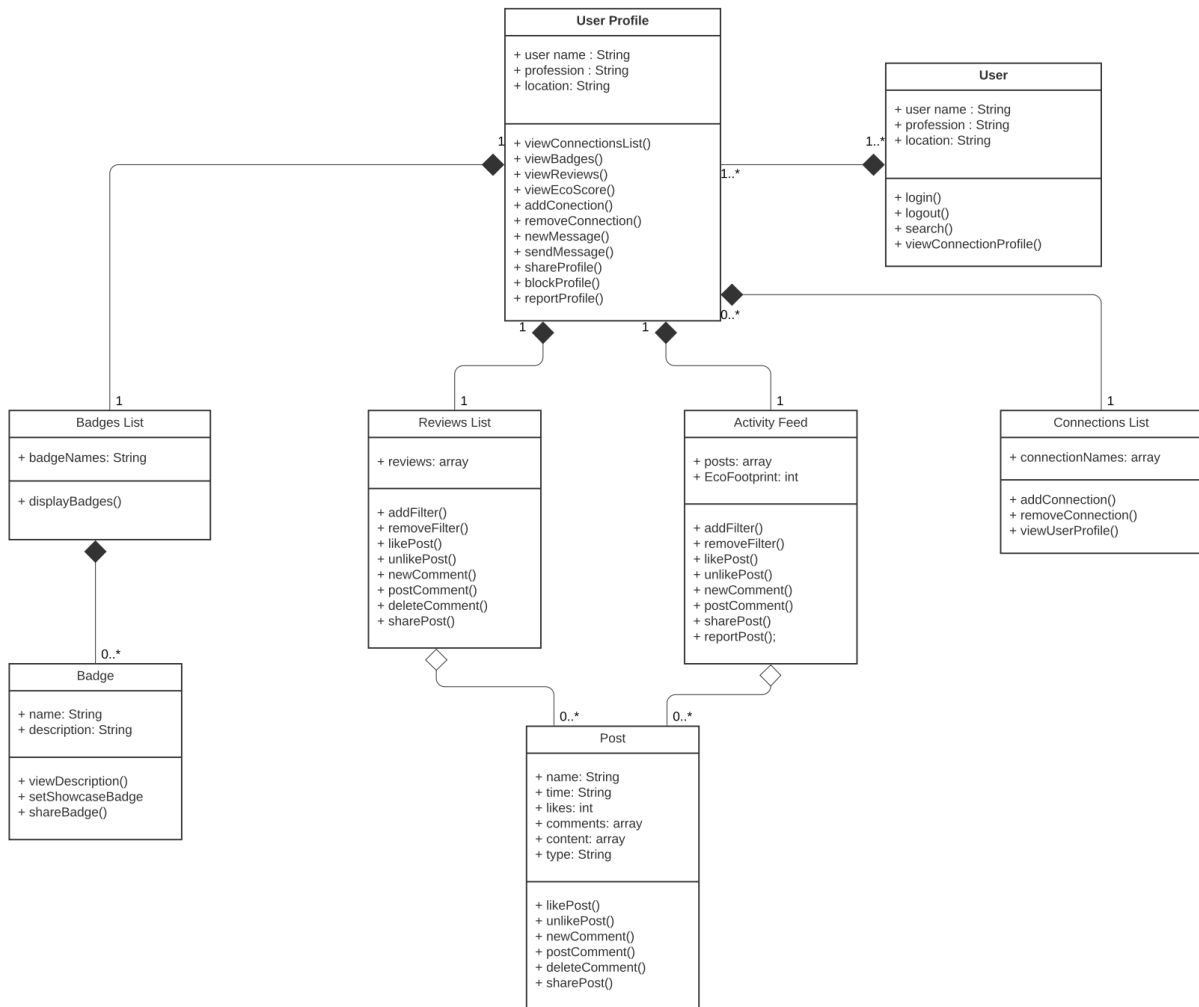
Eco Footprint UML Diagram



User Feed UML Diagram



User Profile UML Diagram



User Flow Diagram

