

**Name:** Ethan Hunter

**Title:** cafe.connor.fun

**Project Summary:** cafe.connor.fun is a webapp for improving cafe discovery. Users will be able to use the app to find nearby cafes that they haven't yet visited. The app will be a game, awarding points to users when they visit cafes. The app will incentivize visiting cafes that the users haven't been to yet.

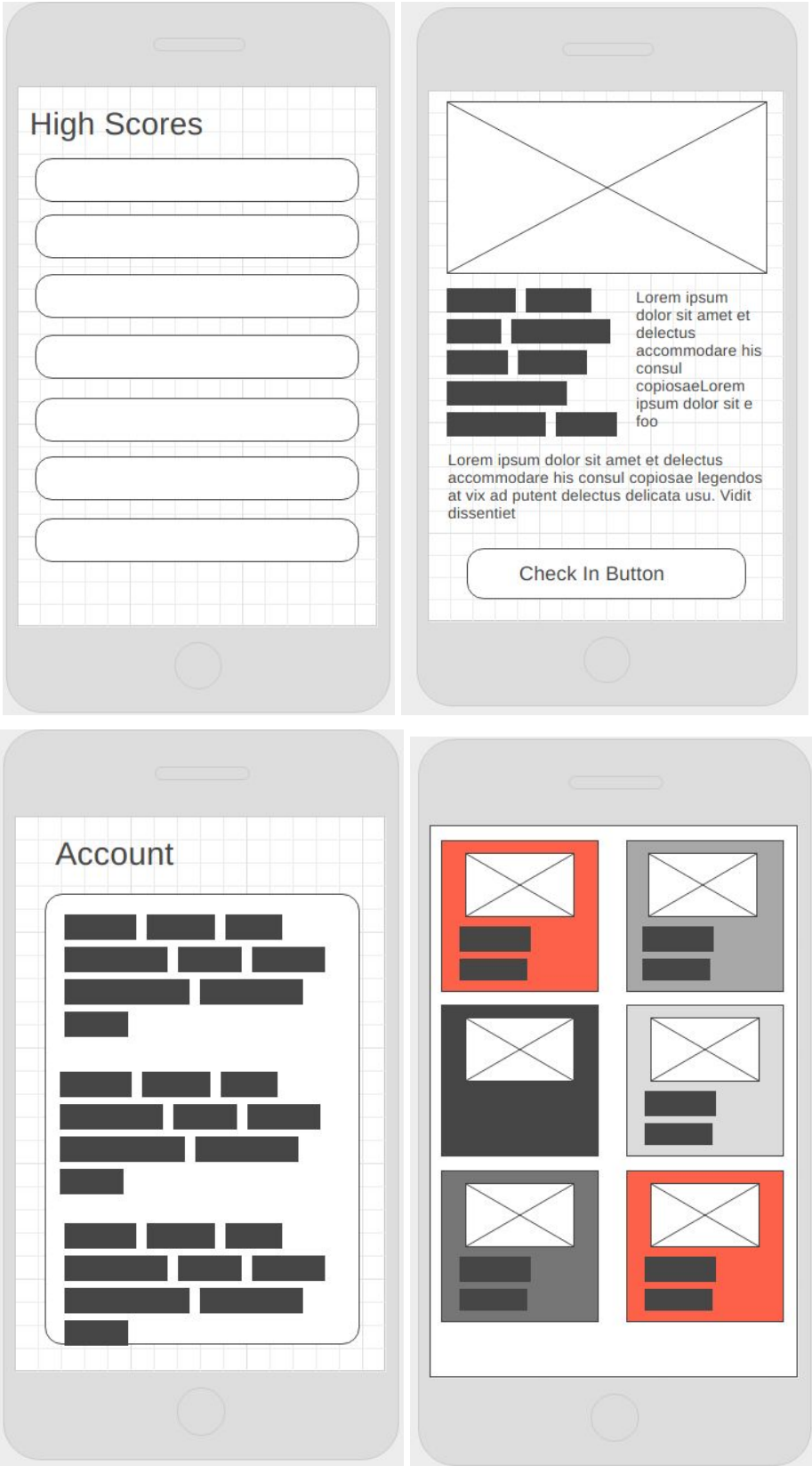
The project will also include the development of the Lighter Web Framework which provides a high-level abstraction for building RESTful web services. Lighter is an annotation based framework that focuses on fast service startup times, high throughput, and straightforward testing.

**Actors:** Users

**Project Requirements**

UC-ID	Description
UC-01	The user must be able to view cafes near to their current location
UC-02	Details of any cafe should be accessible to the user
UC-03	Cafes should be searchable - the search should prioritize by location
UC-04	User account details must be visible to each user. User should only be able to view their own account
UC-05	Users can check-in at a cafe to earn points
UC-06	Users can view the potential score of checking in at a cafe
UC-06	Users can view high-score tables that show the top scores among all users

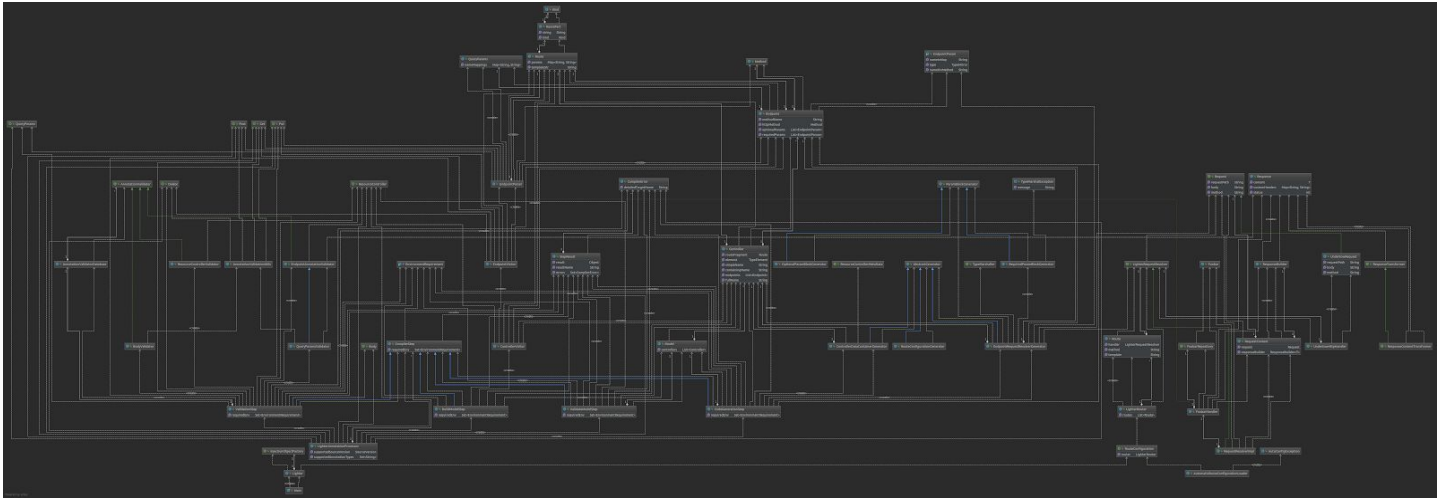
UI Mockups



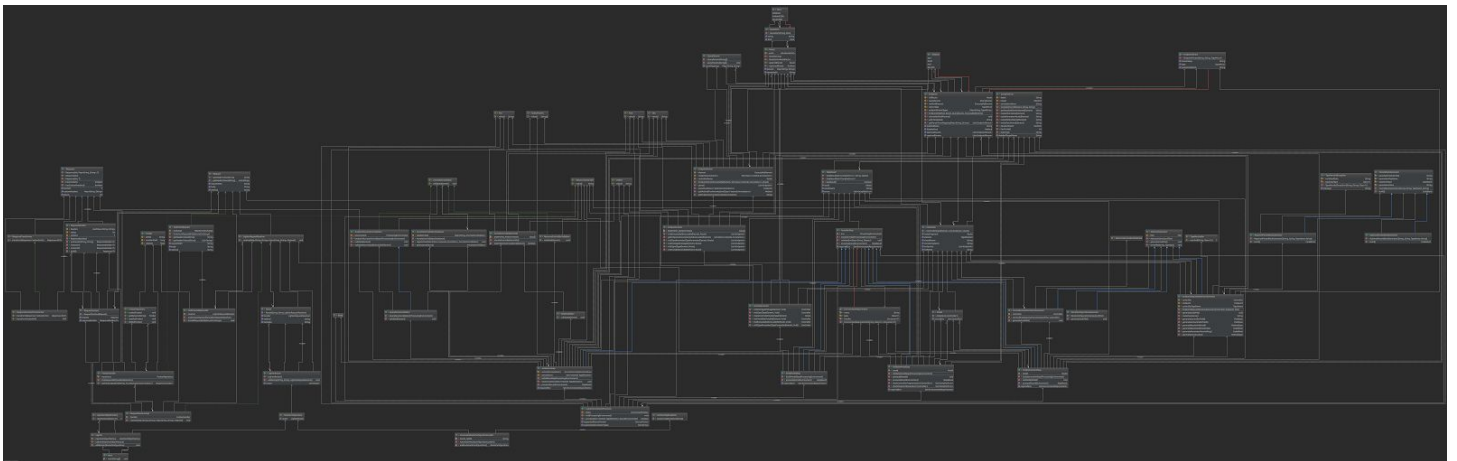
## Class Diagram

The project is broken into two parts. The first part is the Lighter Web Framework which provides a high-level abstraction for RESTful applications.

This is a simplified diagram for Lighter (some attributes are hidden to improve readability)

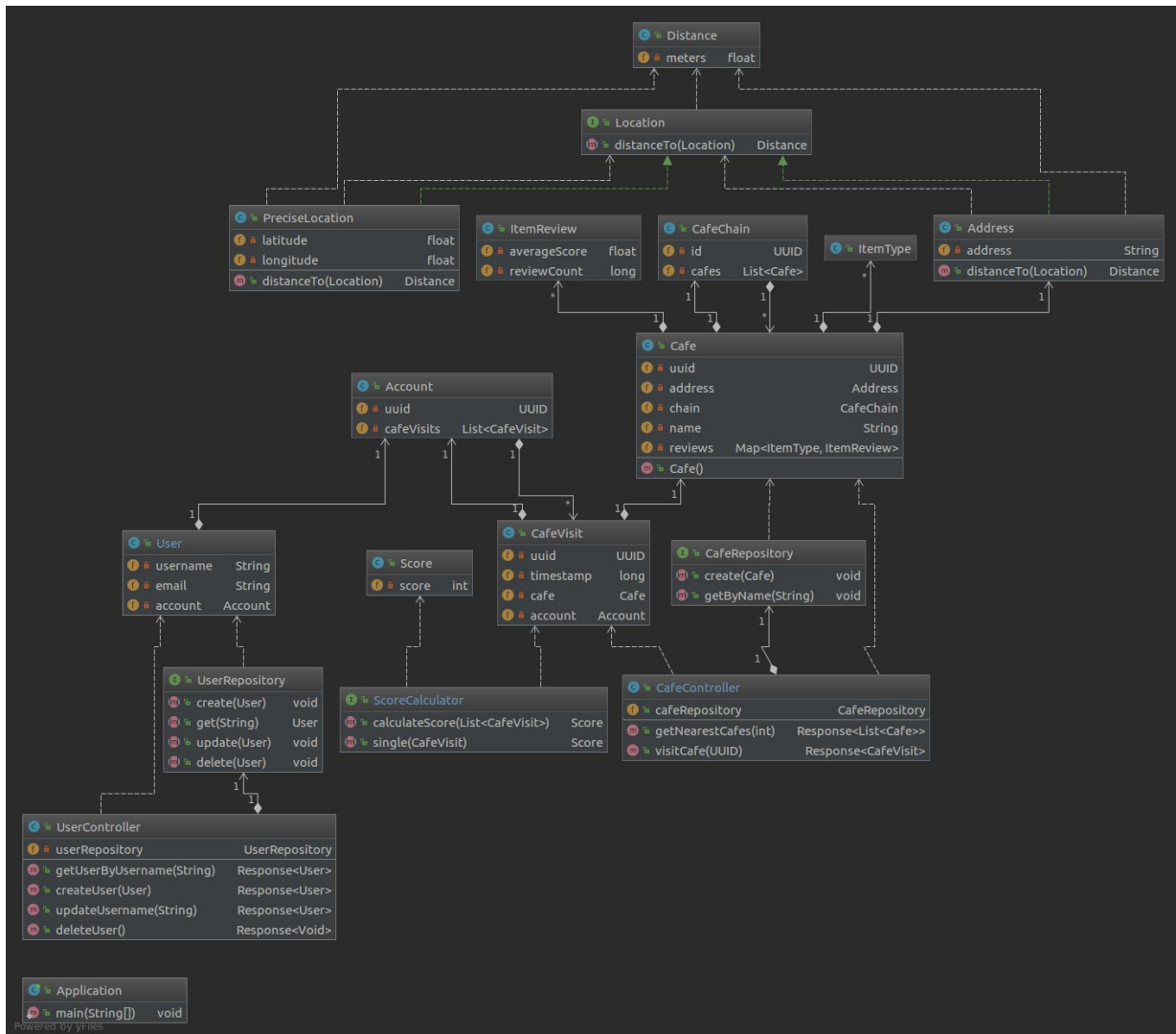


This is the full diagram for Lighter:



(Both these images are very high resolution, so you should be able to zoom in to see better - Unfortunately even mildly complex systems are difficult to represent clearly using diagrams like this)

cafe.connor.fun is a simple webapp built using this framework (on next page):



Although “Application” appears to be a hanging class, it’s not. Application contains the main method where the “Lighter” object is constructed. Since the rest of the application classes are auto-wired using the Lighter compile time application model builder, “Application” has no direct reference to them in the source.