# Project Proposal

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**Outline**

1. What is the problem our application is solving?
2. What are the features we are planning to build?
3. What external APIs are we planning to use?
4. What is the future scope of this project? (Phase 2)

## The problem statement

Most Silicon Valley Millenials today have accustomed themselves to a workaholic stress culture. This has led them to often pursue love affairs with their favorite Coffee. Question isn't whether it's good or bad but whether it works. And for the most part, it does! When a task is due the next morning and the person hasn't got time to work on it until 8 PM, coffee is their only savior. This is true for a lot of coffee lovers indeed. Thus, it would be valuable to have an online product made solely for coffee lovers. We envision a single platform that aggregates all the data related to coffee shops nearby from existing online platforms. Existing methods require users to surf online or install half-a-dozen mobile apps of various coffee shops nearby which we believe isn't the ideal solution.

**Features/User Stories & related APIs/functions:**

1. As CoffeeTime's CSO, I want to **ensure that all users using our product are trusted individuals** so that I can protect our business from online attacks.
   - AWS Amplify
2. As a CoffeeTime user, I want to be able to **save my profile information** so that I can keep track of my logged-in web session.
   - Storage: localStorage
3. As a coffee lover, I want to be able to quickly **find coffee shops** nearby so that I can recharge my body before stepping into boring meetings.
   - API: GET https://api.yelp.com/v3/businesses/search
4. As a coffee lover, I want to be able to quickly **view metadata related to a coffee shop** (such as at what time is it open, reviews, ratings contact details, etc.) so that I can better coordinate my visit ( or make an informed decision before investing any time or money in buying coffee from them).
   - API: GET https://api.yelp.com/v3/businesses/{id}

5. As a coffee lover, I want to be able to **mark certain coffee shops as my favorite** so that I don't have to search for them again and again.
   - Storage: localStorage
6. As a coffee lover, I want to be up to date with the **latest food/drink festivals nearby** so that I don't miss out on any free coffee deals.
   - API: GET https://api.yelp.com/v3/events

**User Flow:**

*We haven't figured out the UI but we have got a general sense of the user flow:*

**Log in** to the CoffeeTime website -> **Enter profile information** (First Name, Last Name, Phone No, Address) -> **View** a list of nearby coffee shops -> Click on a coffee shop to **view more details** (rating, reviews, location, open hours, etc.) -> **Mark** the shop as **favorite** -> Access the **top bar menu** -> Click on the "Events" Menu Item -> **View** nearby food/drink **events** -> Logout

**Future Scope:**

For the POC, we've built a web platform, however, it would be better to have a mobile app instead. We've integrated CoffeeTime with several Yelp's APIs and in the future, we plan to integrate it with other social media platforms. Also, it would be great to not just show coffee shops, their reviews, and related events but also to create an e-commerce platform that contains coffee listings from popular vendors such as Starbucks, Peet's Coffee, Philz Coffee, etc. We also want to have community building features such as the ability to plan coffee meetups on our platform and have a reward system in place for frequent visitors. Essentially, an application that's "all-things-coffee".