

# CitySource

Team No. 12

Team Members: Sydney Combs, Daniel Gonzalez, Jacob Parnell, Nathan Pelletier, Branden Taylor

Project Name: CitySource

## Project Synopsis

A mobile platform for public engagement with city development for residents, architects and developers.

## Project Description

New construction and architectural projects are undertaken every day, yet there is no efficient or easy way for the populace to obtain information about them. Both future and in-development projects are often mysteries to the public. This not only elicits concern from citizens but also raises difficulties for architects and developers on the project. Being unable to confer with community members prevents developers from receiving feedback about the projects and fully understanding the needs of the community.

Here arises the need for an application that facilitates communication between architects and the general population. Our plan is to create a tool that can be used by architects to present their ideas for future projects to the members of the community. Architects post projects on a map UI where community members may post and have conversations addressing these projects. Community members can also post suggestions about developmental enhancements for the area, such as parks or restaurants. With this tool, companies and cities will be able to better understand public opinion regarding the projects they work on, and citizens will have more influence over community development.

## Project Milestones

- First Semester
  - High level project design - October 2019
  - UI design - November 2019
  - Database Setup - December 2019
- Second Semester
  - Back End/Front End Integration - February 2020
  - User Testing: March 2020
  - App Store Deployment - April 2020

## Project Budget

- iOS Development and Distribution certificates: \$99/year. This will be required only near the end of development, once the product has been made ready to deliver.
- Google Play Store developer fee: \$25. This will be required only near the end of development, and is a one-time fee to publish on the Google Play store.
- Domain Name: ~\$12/year. This is a potential cost if we decide to pursue a web app in addition to the mobile app.
- Cloud storage/database hosting: \$0-\$25/month. Storage pricing will be largely dependent on expected load. AWS and Google Firebase offer free tiers which will be sufficient in early development.

## Work Plan

We have yet to fully designate roles for this project. Sydney has experience with react and Branden has prior experience with mobile development, so they will probably help with the front end. Nathan has experience with MySQL and other backend, so he will probably work on that, and Daniel and Jacob will likely help with either depending on their interests. Of course, this is liable to change. Each member will also assist with testing and documentation. All members will be responsible for integrating their part of the application from the front end to the back end or vice versa. This will be done with unit testing as well as integration testing.