

# Venture

Group 1

CS 329E  
The University of Texas at Austin

April 26, 2017

# Group Members

Justin Chao  
Julianne Crea  
Connie Liu

## Application Description

Trip-planning often involves just making a Word/Google doc and inserting links to other websites for resources.

Venture provides simple and convenient planning of trip itineraries.

- ▶ increases efficiency in planning for travel to multiple places by putting it all in one app.
- ▶ provides for a more organized and therefore, more enjoyable travel experience.
- ▶ reinforces safe-spending habits by actively tracking your expenses.

# Target Audience

- ▶ Anyone who enjoys traveling and likes to have well-organized travel plans

# Application Functionality

- ▶ Firebase backend with Google & Facebook user auth will be implemented
- ▶ appearance customization (background, time format)
- ▶ search for non-stop flights
- ▶ search for food/restaurants
- ▶ search for tourist attractions
- ▶ save customized event details to an itinerary page
- ▶ set reminders for any event
- ▶ set budgets for trip categories

# Application Challenges

- ▶ implementing Firebase and various APIs
- ▶ learning how to parse JSON data objects
- ▶ setting constraints for views with many UI elements

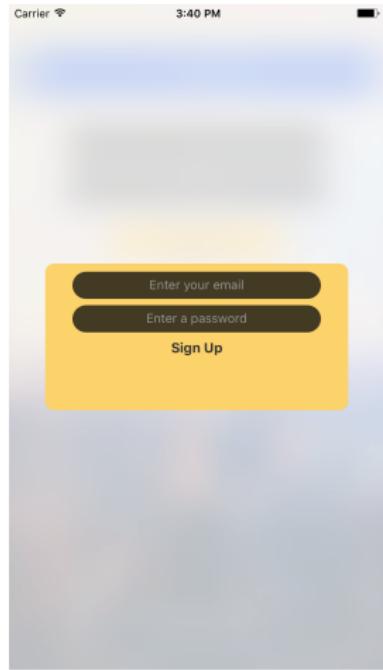
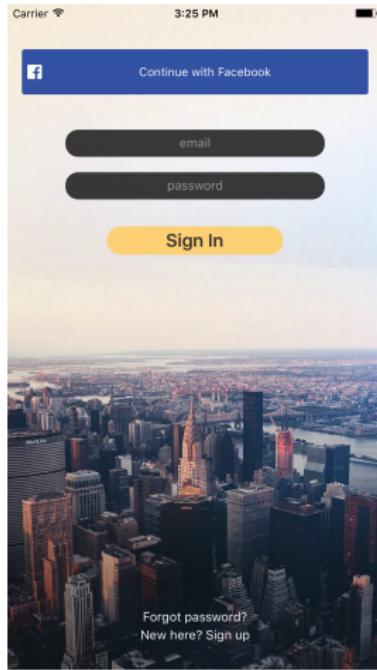
# Group Member Contributions

| Group Member  | Contribution   |
|---------------|--|
| Justin Chao   | <ul style="list-style-type: none"><li>- Firebase database</li><li>- Firebase &amp; Facebook auth</li><li>- background &amp; time format customization</li><li>- MapKit implementation</li><li>- flights search w/ Google QPX Express API</li></ul> |
| Julianne Crea | <ul style="list-style-type: none"><li>- places search using Yelp API and Alamofire</li><li>- Budget view</li><li>- UI appearance</li></ul>   |
| Connie Liu    | <ul style="list-style-type: none"><li>- foods search using Yelp API and Alamofire</li></ul>  |

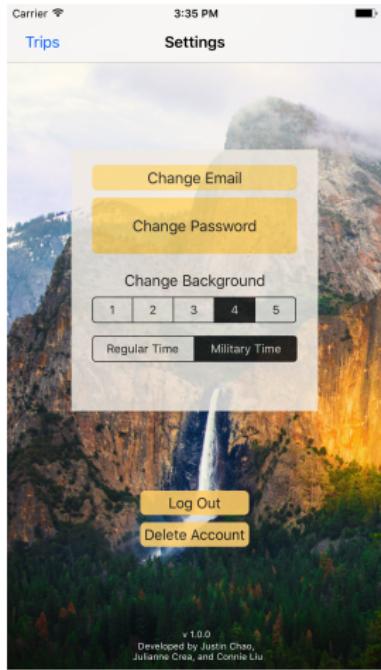
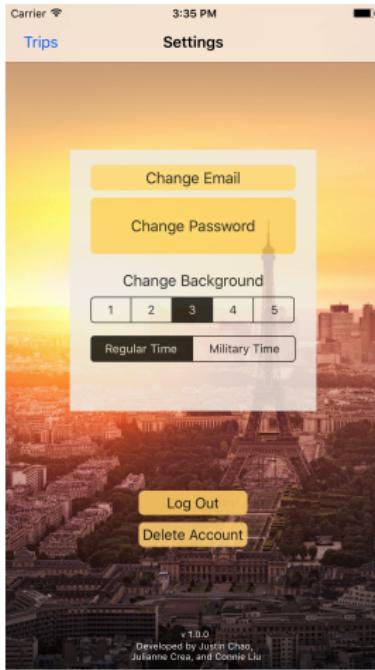
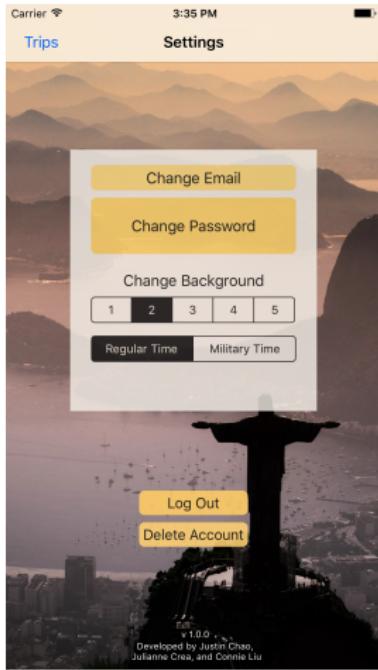
# Login/Registration

## Login/Registration

- ▶ Facebook Auth
- ▶ Firebase Auth



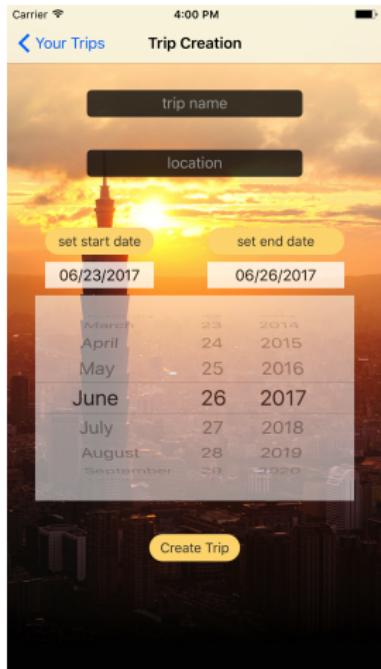
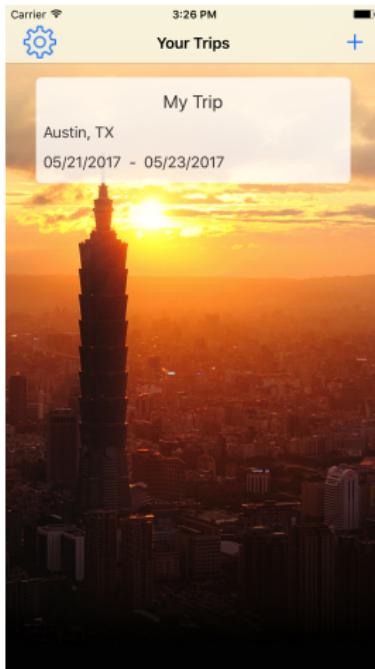
# Settings



# Trips

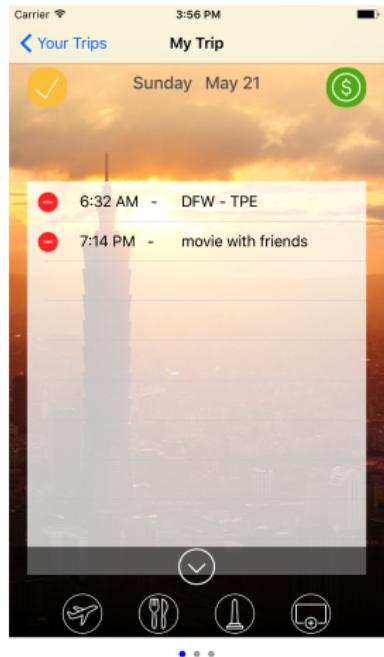
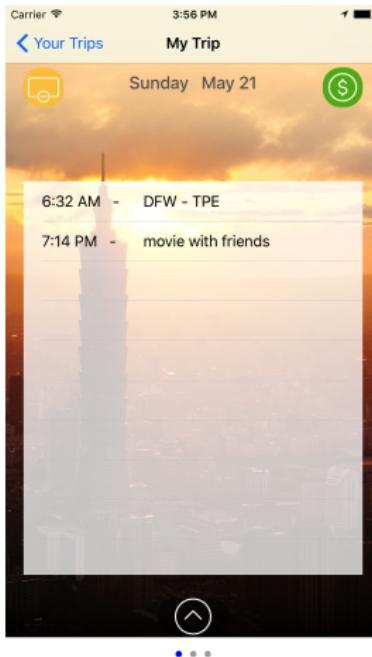
## Trips View

- ▶ Trip Creation
- ▶ Your Trips



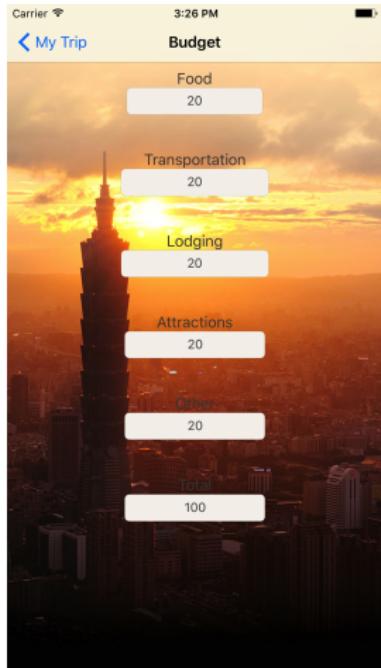
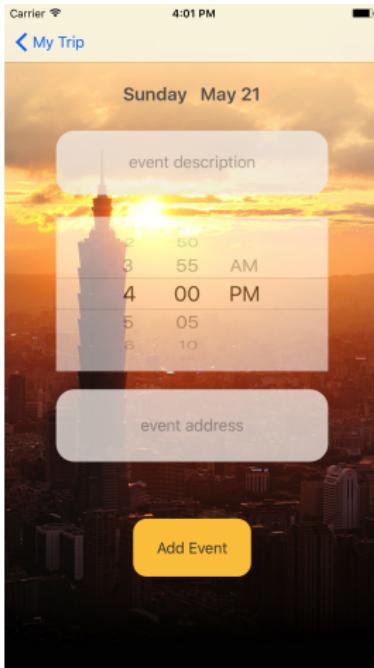
# Itinerary

## Itinerary View

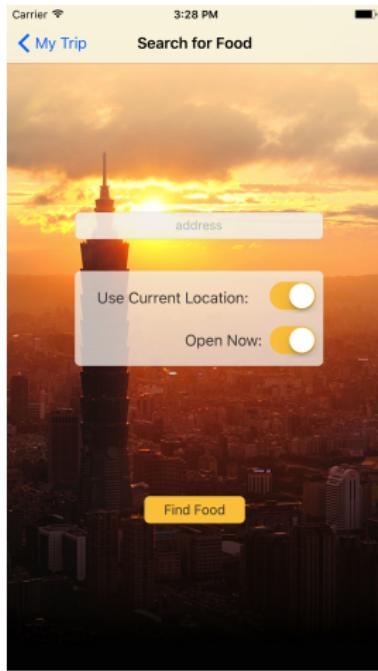


# Add Event/Budget

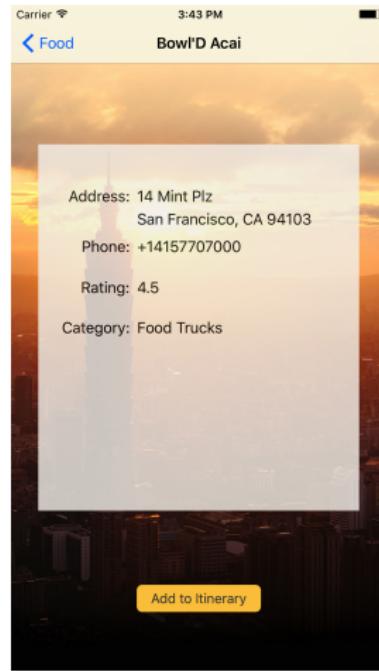
- ▶ Event Creation
- ▶ Budget View



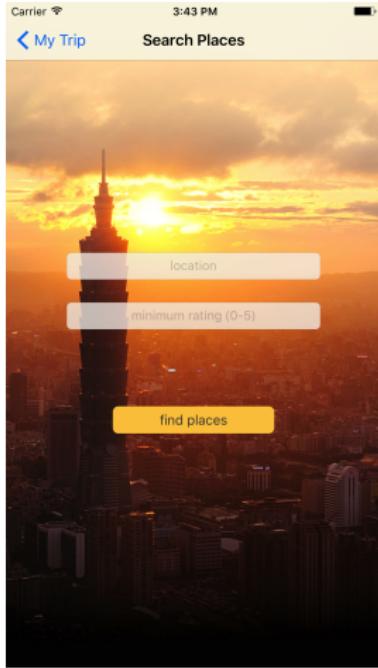
# Food



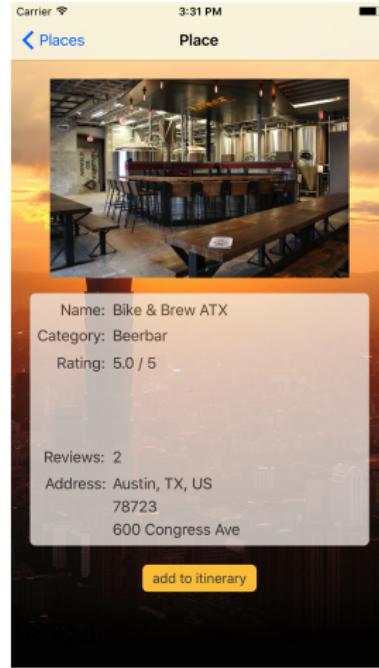
| Food                        |       |
|-----------------------------|-------|
| Annie's Hot Dogs & Pretzels | 4.0 > |
| Food Stands                 |       |
| Tropisueño                  | 4.0 > |
| Mexican                     |       |
| Taqueria Castillo Mason     | 4.0 > |
| Mexican                     |       |
| Stanley's Steamers          | 4.0 > |
| Food Stands                 |       |
| Bowl'D Acai                 | 4.5 > |
| Food Trucks                 |       |
| Colibri Mexican Bistro      | 3.5 > |
| Mexican                     |       |
| Lobsta Truck                | 3.0 > |
| Food Trucks                 |       |
| Bini's Kitchen              | 4.0 > |
| Himalayan/Nepalese          |       |
| Taqueria Mana               |       |



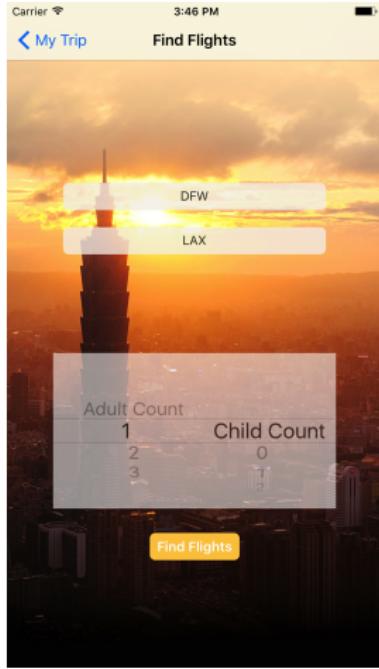
# Places



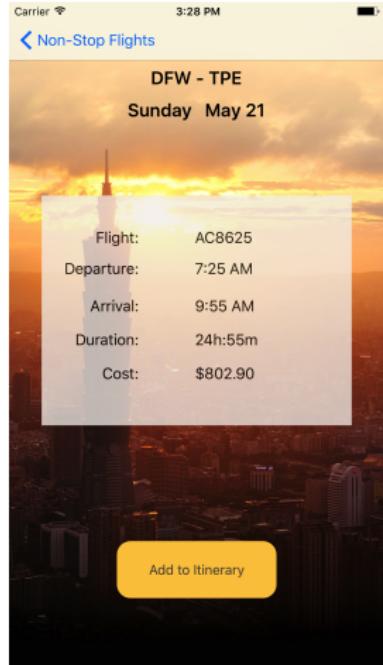
| Places                                |              |         |
|---------------------------------------|--------------|---------|
| Mount Bonnell                         | Hiking       | 4.5 / 5 |
| Pennybacker Bridge                    | Landmarks    | 4.5 / 5 |
| Texas State Capitol                   | Landmarks    | 4.5 / 5 |
| Bats Under the Congress Avenue Bridge | Local Flavor | 4.0 / 5 |
| Hope Outdoor Gallery                  | Parks        | 4.5 / 5 |
| The Boardwalk Trail at Lady Bird Lake | Hiking       | 5.0 / 5 |
| Museum of the Weird                   | Museums      | 3.5 / 5 |
| Zilker Botanical Gardens              | Gardens      | 4.0 / 5 |
| Cathedral of Junk                     | Local Flavor | 4.5 / 5 |



# Flights



| Find Flights Non-Stop Flights |          |
|-------------------------------|----------|
| UA729                         | \$705.60 |
| 7:16 AM - 9:40 AM             |          |
| UA5736                        | \$705.60 |
| 7:40 AM - 9:20 AM             |          |
| UA315                         | \$705.60 |
| 9:05 AM - 10:15 AM            |          |
| UA5736                        | \$705.60 |
| 7:40 AM - 9:20 AM             |          |
| UA570                         | \$705.60 |
| 6:32 AM - 7:45 AM             |          |
| UA528                         | \$705.60 |
| 7:45 AM - 9:47 AM             |          |
| UA570                         | \$705.60 |
| 6:32 AM - 7:45 AM             |          |
| UA528                         | \$705.60 |
| 7:45 AM - 9:47 AM             |          |
| AC8625                        | \$802.90 |
| 7:25 AM - 9:55 AM             |          |
| C19675                        | \$856.60 |
| 6:59 PM - 8:51 PM             |          |
| C19633                        | \$856.60 |
| 12:37 PM - 2:29 PM            |          |
| C19601                        | \$878.90 |
| 9:50 AM - 11:09 AM            |          |
| C19633                        |          |



## Firebase Auth

| Email                    | Providers | Created      | Signed In    | User UID ↑                    |
|--------------------------|-----------|--------------|--------------|-------------------------------|
| connieliu@utexas.edu     | ✉         | Mar 24, 2017 | Apr 14, 2017 | 5vmDaMkKqIQjsfyHe9SSskCQEUV   |
| juliannecrea95@gmail.com | ✉         | Mar 24, 2017 | Mar 24, 2017 | Cv5QfV6KBFeav0l1rQnUfVZcqZ32  |
| juliannecrea@utexas.edu  | ✉         | Mar 22, 2017 | Mar 24, 2017 | HvGAahdDGBeXQRBvqhy9BuuqSEj1  |
| jcrea@gmail.com          | ✉         | Apr 20, 2017 | Apr 20, 2017 | J6CwcJWLdKQXNk9rztnFhrlOTaf1  |
| jmcrea@gmail.com         | ✉         | Apr 21, 2017 | Apr 21, 2017 | aDhOoJU9kqUWFNKAQZUXv5ZiqJ... |
| justin_chao@utexas.edu   | ✉         | Apr 12, 2017 | Apr 23, 2017 | fUWmCvvv54Q3omB55laNVBJK5...  |
| bobcrea@aol.com          | ✉         | Apr 8, 2017  | Apr 8, 2017  | jIv7X8UTfhZsQ3j4pGY9lscoDuN2  |
| juliannecrea@gmail.com   | ✉         | Mar 23, 2017 | Mar 23, 2017 | v1TdjuQURQLveKVVOVh70eTxllq1  |
| -                        | fb        | Apr 7, 2017  | Apr 23, 2017 | vpt3zeHVftPoXbRDPq3UJYlcE3G3  |

# Firebase Database



# Demo



## Questions & Answers

Find it on



**GitHub**

<https://github.com/j-chao/venture>