

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

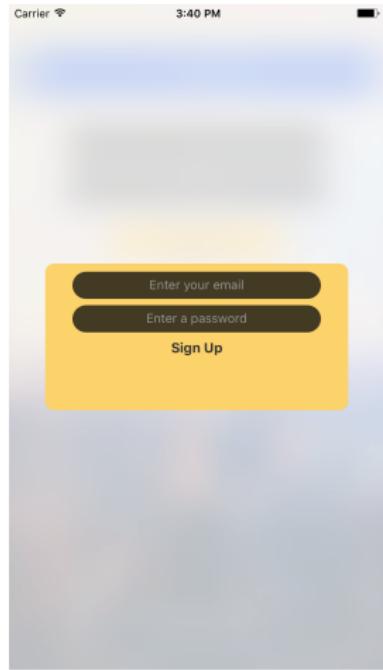
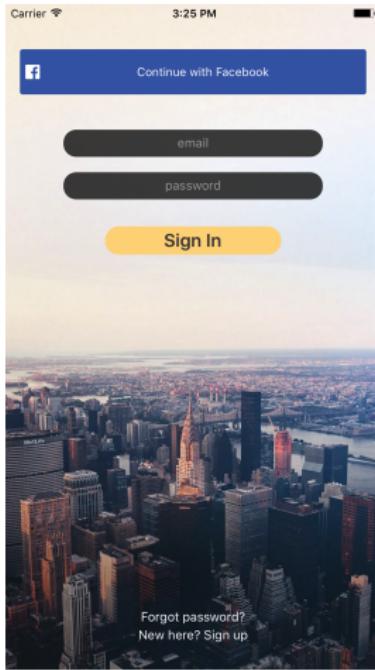
Group Member Contributions

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

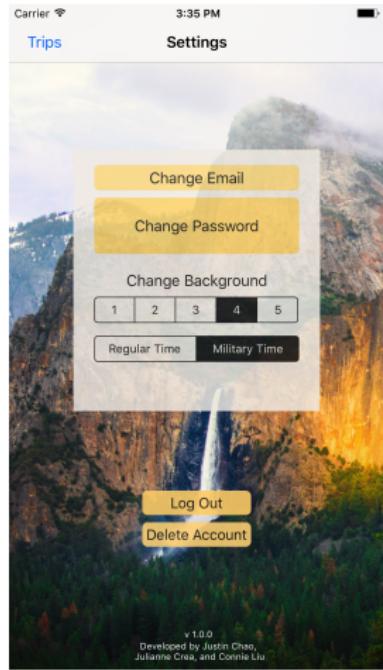
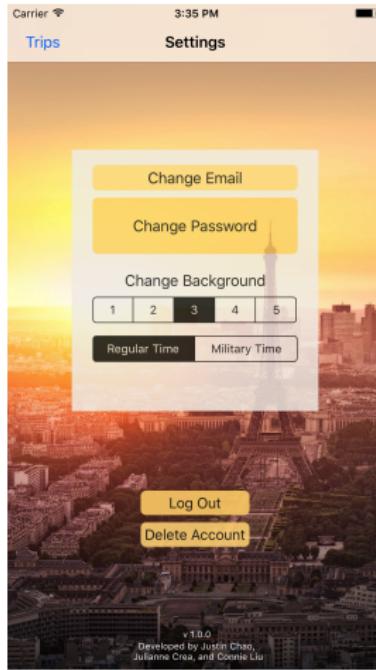
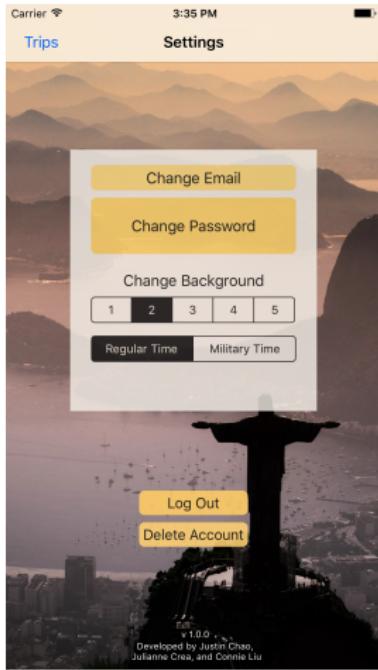
Login/Registration

Login/Registration

- ▶ Facebook Auth
- ▶ Firebase Auth



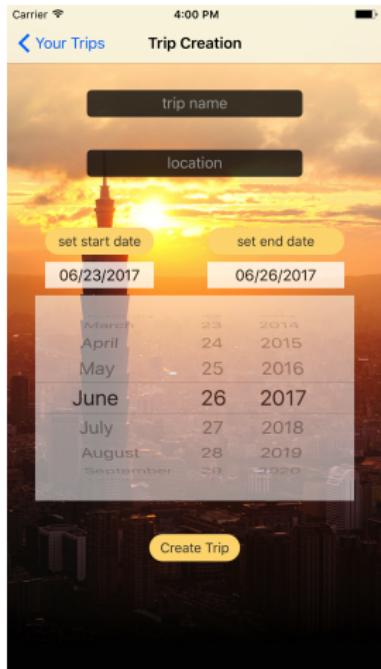
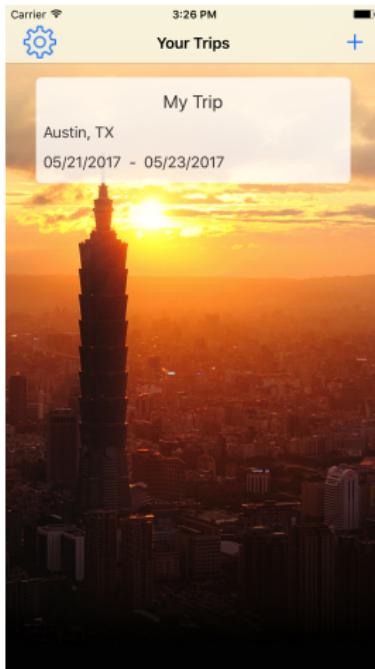
Settings



Trips

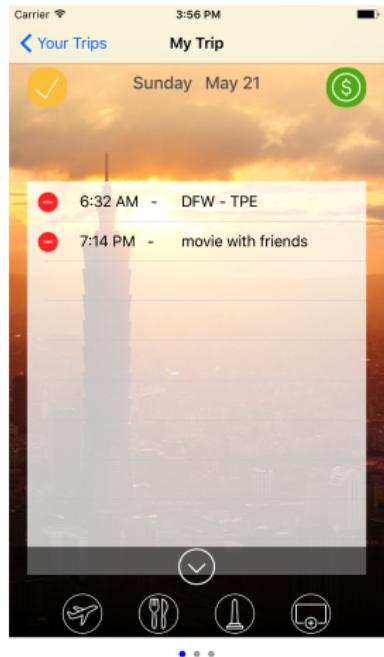
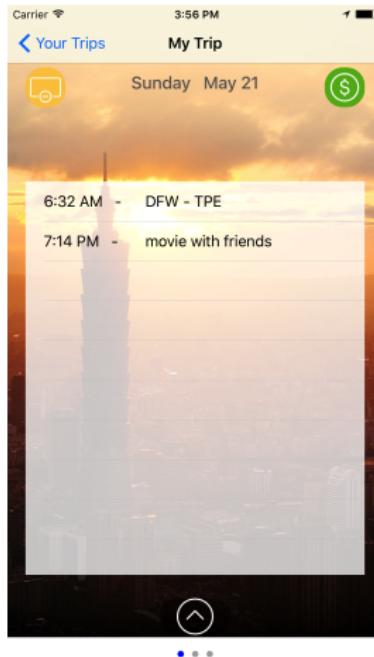
Trips View

- ▶ Trip Creation
- ▶ Your Trips



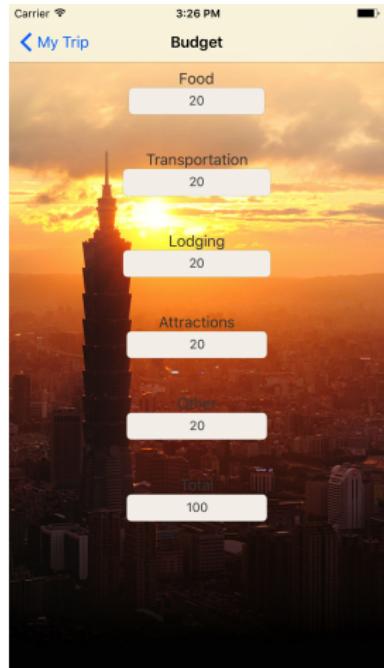
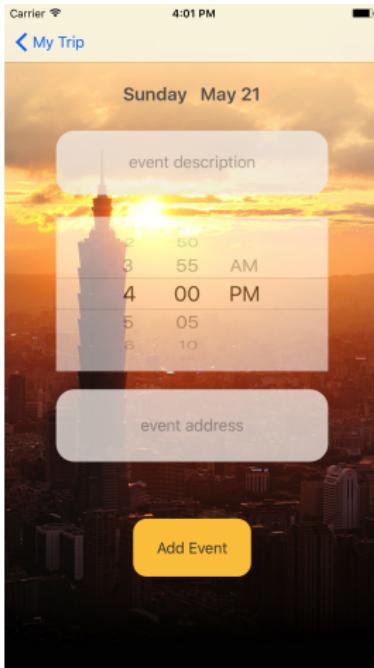
Itinerary

Itinerary View

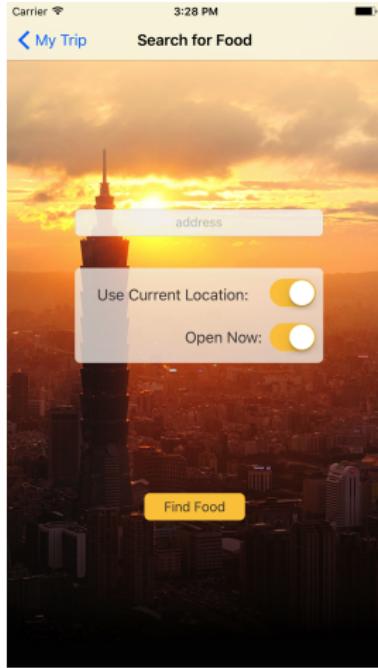


Add Event/Budget

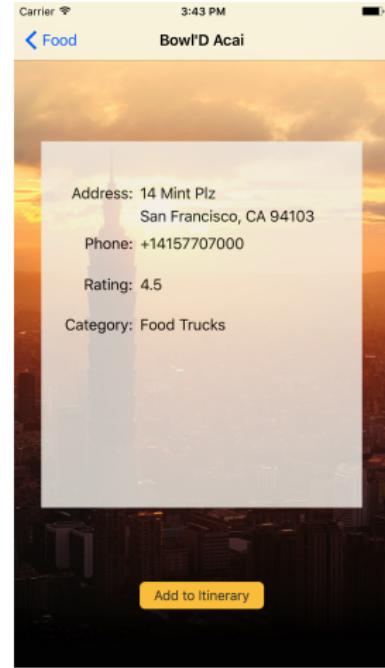
- ▶ Event Creation
- ▶ Budget View



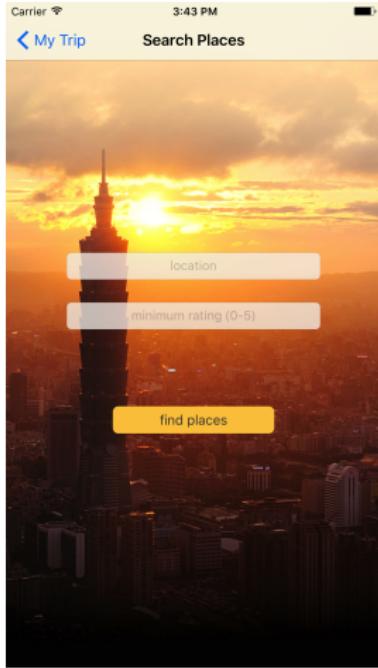
Food



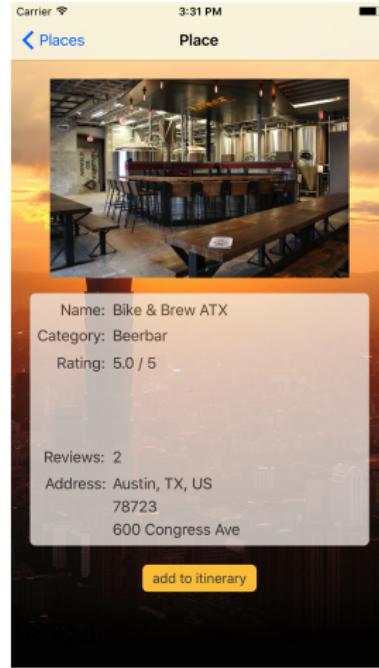
Food	
Annie's Hot Dogs & Pretzels	4.0 >
Food Stands	
Tropisueño	4.0 >
Mexican	
Taqueria Castillo Mason	4.0 >
Mexican	
Stanley's Steamers	4.0 >
Food Stands	
Bowl'D Acai	4.5 >
Food Trucks	
Colibri Mexican Bistro	3.5 >
Mexican	
Lobsta Truck	3.0 >
Food Trucks	
Bini's Kitchen	4.0 >
Himalayan/Nepalese	
Taqueria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



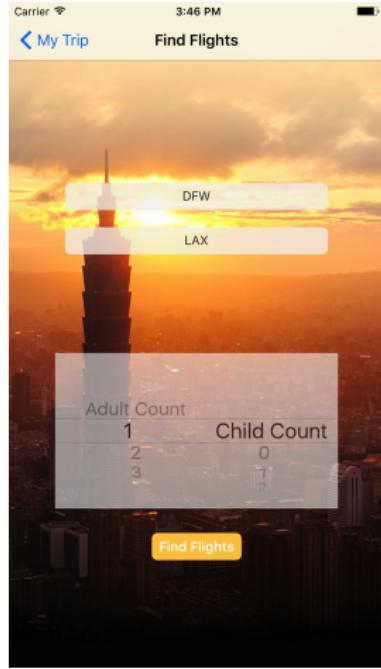
Places



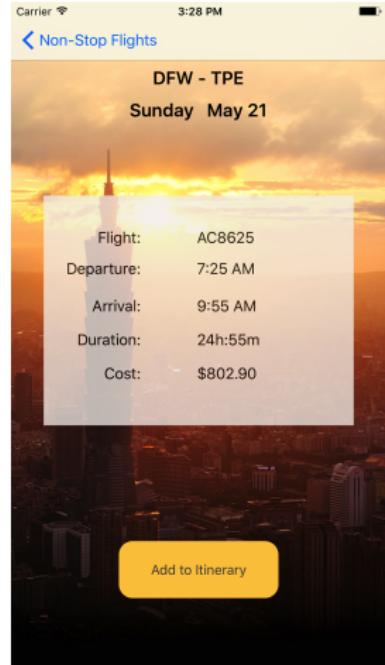
Places		
Mount Bonnell	Hiking	4.5 / 5
Pennybacker Bridge	Landmarks	4.5 / 5
Texas State Capitol	Landmarks	4.5 / 5
Bats Under the Congress Avenue Bridge	Local Flavor	4.0 / 5
Hope Outdoor Gallery	Parks	4.5 / 5
The Boardwalk Trail at Lady Bird Lake	Hiking	5.0 / 5
Museum of the Weird	Museums	3.5 / 5
Zilker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



Demo



Questions & Answers

Find it on



GitHub

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