

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

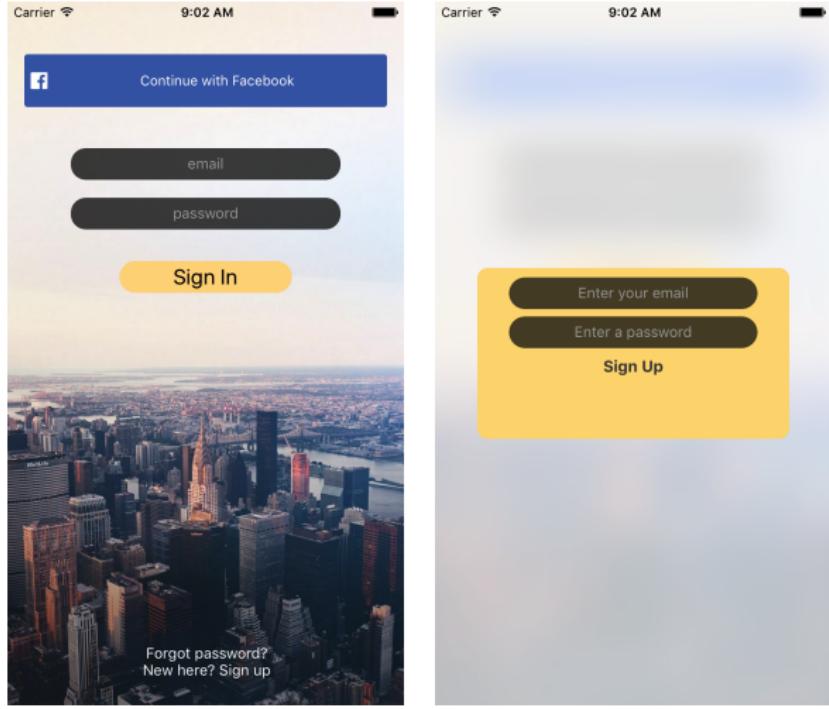
Group Member Contributions

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- Budget view- UI appearance
Connie Liu	<ul style="list-style-type: none">- foods search using Yelp API and Alamofire

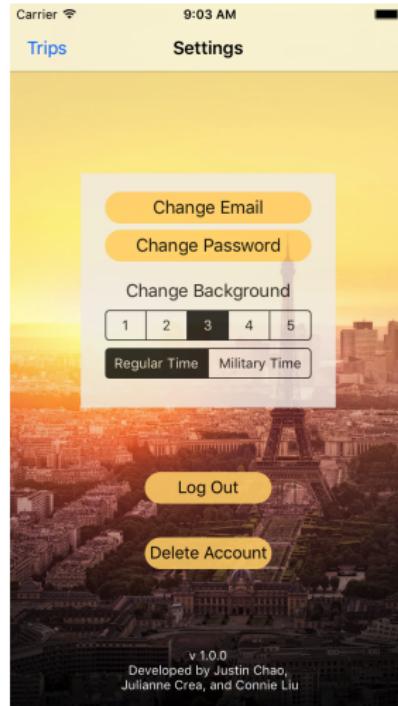
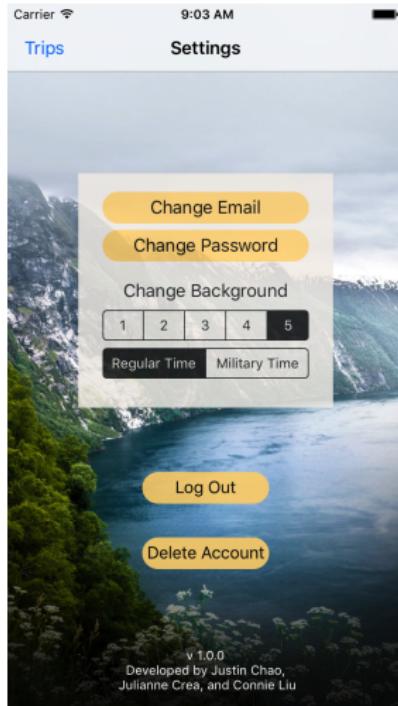
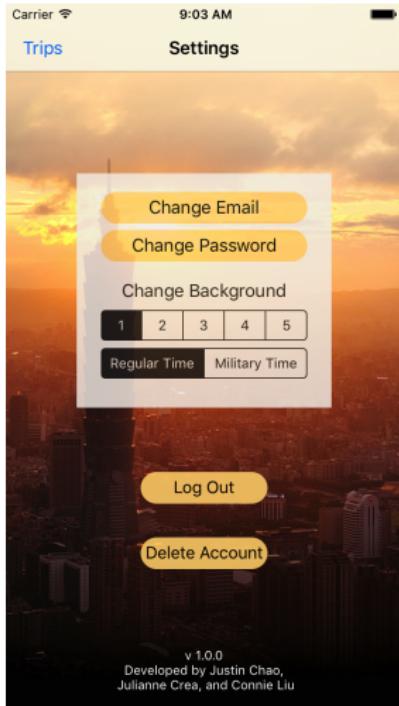
Login/Registration

Login/Registration

- ▶ Facebook Auth
- ▶ Firebase Auth



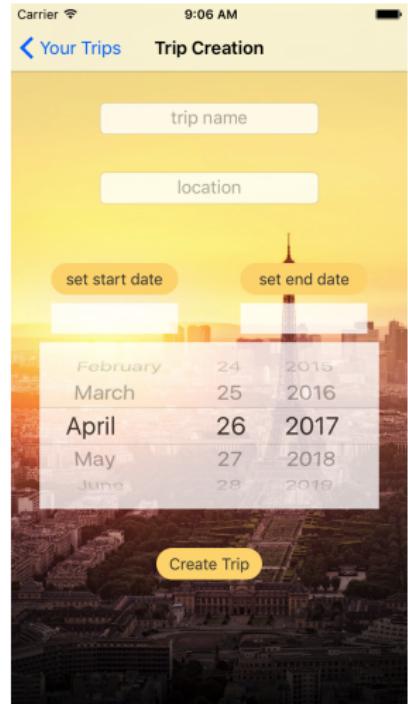
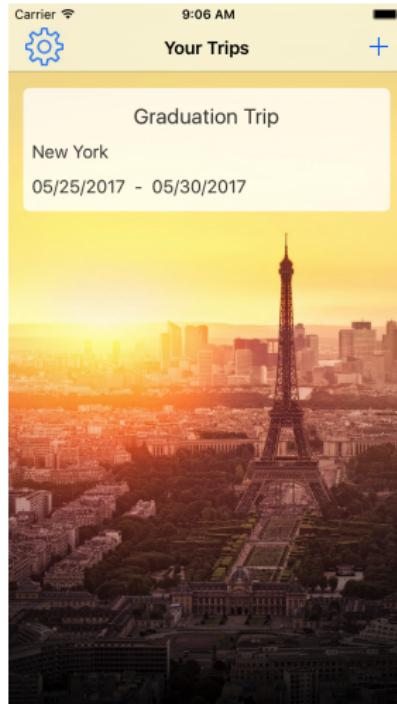
Settings



Trips

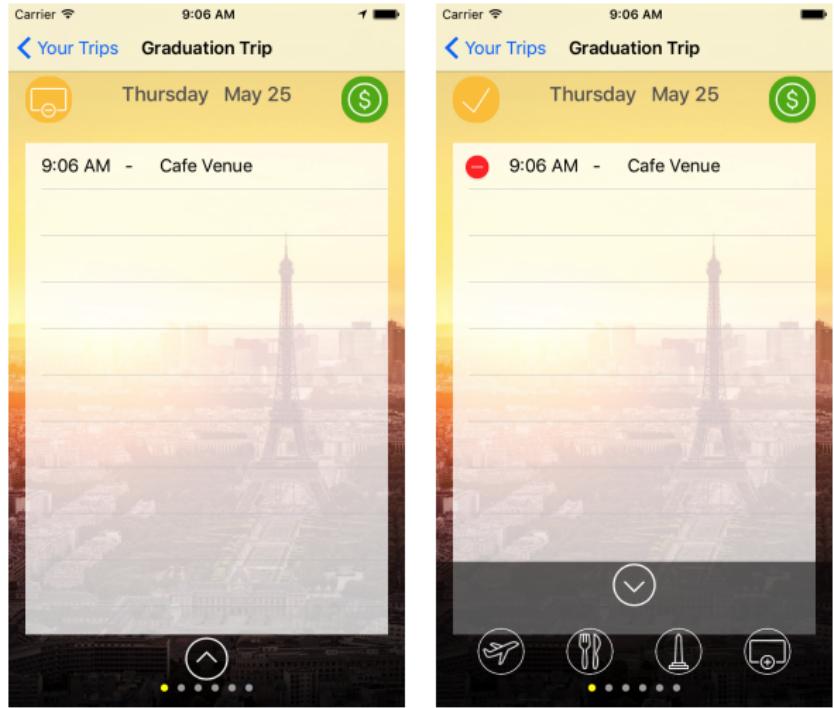
Trips View

- ▶ Your Trips
- ▶ Trip Creation



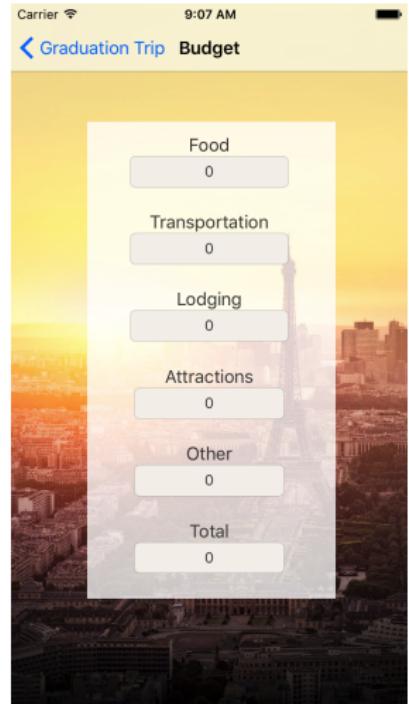
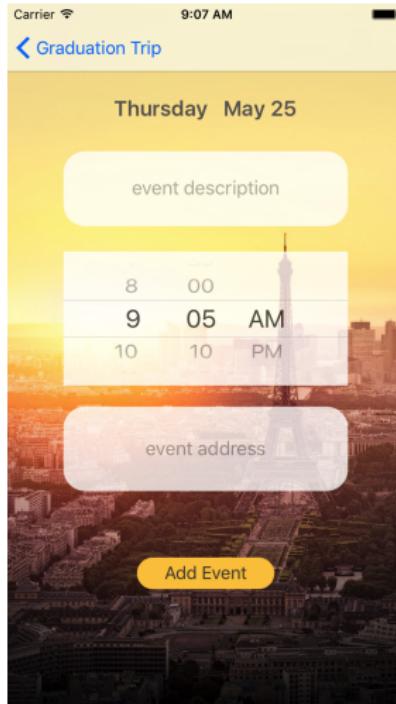
Itinerary

Itinerary View

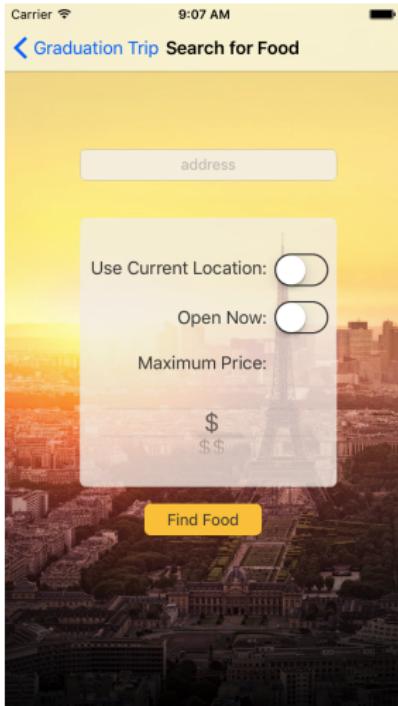


Add Event/Budget

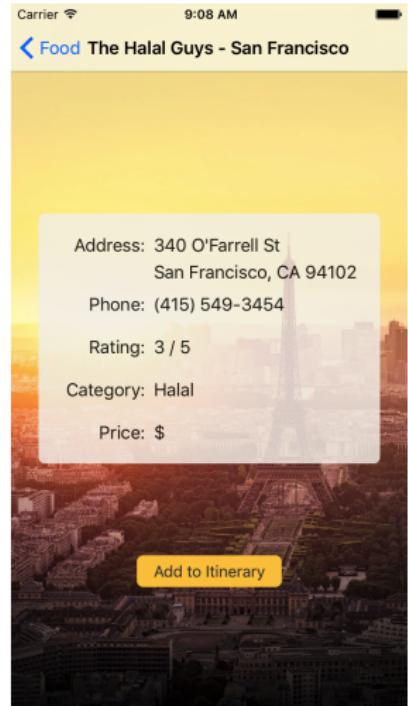
- ▶ Custom event creation
- ▶ Budget View



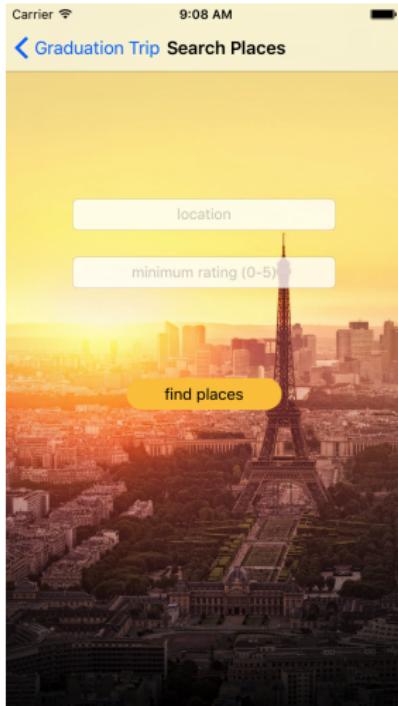
Food



Search for Food		Food
Asian Box	4 / 5 >	152 m
Vietnamese		
Taqueria Castillo Mason	4 / 5 >	326 m
Mexican		
Fresca Garden	4 / 5 >	334 m
Pizza		
Freshroll Vietnamese Rolls & Bowls	4 / 5 >	340 m
Vietnamese		
Glutless	5 / 5 >	348 m
Gluten-Free		
The Halal Guys - San Francisco	3 / 5 >	362 m
Halal		
Kusina Ni Tess	4 / 5 >	365 m
Filipino		
Bini's Kitchen	4 / 5 >	



Places



Search Places		Places
Reunion Tower	Landmarks	4.0 / 5
Pioneer Plaza Cattle Drive	Local Flavor	4.0 / 5
Sixth Floor Museum at Dealey Plaza	Museums	4.0 / 5
The Dallas World Aquarium	Aquariums	4.0 / 5
Klyde Warren Park	Parks	4.5 / 5
George W. Bush Presidential Library and M...	Museums	4.0 / 5
Food Tours of America	Foodtours	4.5 / 5
Dallas City Tour	Tours	4.0 / 5

Carrier 9:09 AM

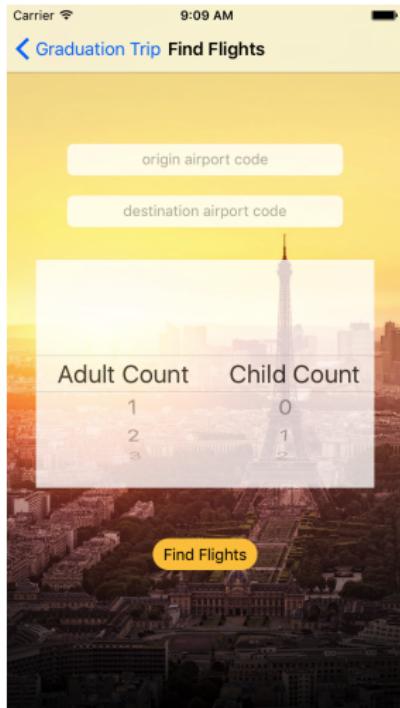
Places Place

Name: Klyde Warren Park
Category: Parks
Rating: 4.5 / 5
Reviews: 361
Address: Dallas, TX, US
75201
411 Elm St

add to itinerary

This screen shows a detailed view of a place. At the top, it displays the carrier signal, time (9:09 AM), and a back arrow. Below that is the title "Places" and the specific place name "Place". The main content area shows a photo of two men singing on stage. To the right, a callout box provides specific details about the place: Name (Klyde Warren Park), Category (Parks), Rating (4.5 / 5), Reviews (361), and Address (Dallas, TX, US, 75201, 411 Elm St). A yellow "add to itinerary" button is located at the bottom right. The background of this screen also features a blurred image of the Eiffel Tower and Paris skyline.

Flights



Find Flights Non-Stop Flights		
VX871	7:50 AM - 9:05 AM	\$381.80
AS1871	7:50 AM - 9:05 AM	\$381.80
VX885	5:33 PM - 6:55 PM	\$401.80
AS1885	5:33 PM - 6:55 PM	\$401.80
AS1713	8:00 AM - 9:44 AM	\$454.80
VX713	8:00 AM - 9:44 AM	\$454.80
B61214	10:15 AM - 3:04 PM	\$473.79
VX715	12:37 PM - 2:29 PM	\$486.80
AS1883	2:45 PM - 4:06 PM	\$527.90
VX717	6:59 PM - 8:51 PM	\$546.80
AS1717	6:59 PM - 8:51 PM	\$546.80

Carrier 9:13 AM

Non-Stop Flights

Friday May 26

Flight:	AS6195
Departure:	8:50 AM
Arrival:	9:53 AM
Duration:	1h:3m
Cost:	\$197.20

Add to Itinerary

The interface shows a summary of a non-stop flight from Friday, May 26. It includes the flight number, departure time, arrival time, duration, and cost. A large yellow button at the bottom right says "Add to Itinerary".

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	v1TdjuQURQLveKVOVh70eTxllq1
-	fb	Apr 7, 2017	Apr 23, 2017	vpt3zeHVftPoXbRDPq3UJYlcE3G3

Firebase Database



Demo



Questions & Answers



Find it on

GitHub

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