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	- Firebase database - Firebase & Facebook auth - background & time format customization - MapKit implementation - flights search w/ Google QPX Express API
Julianne Crea	- places search using Yelp API and Alamofire - Budget view - UI appearance
Connie Liu	- foods search using Yelp API and Alamofire - UI appearance

Login/Registration

Login/Registration

- Facebook Auth
- Firebase Auth

Settings

Carrier
9:03 AM
Trips
Settings
Change Email
Change Password
Change Background
1 2 3 4 5
Regular Time
Military Time
Log Out
Delete Account
v 1.0.0
Developed by Justin Chao,
Julianne Crea, and Connie Liu

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Trips

Trips View

- Your Trips
- Trip Creation

Itinerary

Itinerary View

Add Event/Budget

- Custom event creation
- Budget View

Food

Carrier
9:07 AM
Graduation Trip
Search for Food
address
Use Current Location:
Open Now:
Maximum Price:
$
$$
Find Food

Carrier
9:07 AM
Search for Food
Food
Asian Box
Vietnamese
4 / 5
152 m
Taqueria Castillo Mason
Mexican
4 / 5
326 m
Fresca Garden
Pizza
4 / 5
334 m
Freshroll Vietnamese Rolls & Bowls
Vietnamese
4 / 5
340 m
Glutless
Gluten-Free
5 / 5
348 m
The Halal Guys - San Francisco
Halal
3 / 5
362 m
Kusina Ni Tess
Filipino
4 / 5
365 m
Bini's Kitchen
4 / 5

Carrier
9:08 AM
Food
The Halal Guys - San Francisco
Address: 340 O'Farrell St
San Francisco, CA 94102
Phone: (415) 549-3454
Rating: 3 / 5
Category: Halal
Price: $
Add to Itinerary

Places

Carrier
9:08 AM
Graduation Trip
Search Places
location
minimum rating (0-5)
find places

Carrier
9:08 AM
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

Flights

Carrier
9:09 AM
Graduation Trip
Find Flights
origin airport code
destination airport code
Adult Count
Child Count
1
2
3
0
1
2
Find Flights

Carrier
9:09 AM
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

Firebase Auth

Search by email address or user UID

ADD USER

Email	Providers	Created	Signed In	User UID
connieliu@utexas.edu		Mar 24, 2017	Apr 14, 2017	5vmDaMkKqIQJsjfyHe9SSskCQEU2
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	jlv7X8UTfhZsQ3j4pGY9lscoDuN2
juliannecrea@gmail.com		Mar 23, 2017	Mar 23, 2017	v1TdjVuQURQLVeKVOVh70eTxIlq1
–		Apr 7, 2017	Apr 23, 2017	vpt3zeHVftPoXbRDpq3UJYlcE3G3

Rows per page: 50 1-9 of 9

Firebase Database

```
venture-70b67
  users
    J6CwcJWLdKQXNk9rztnFhrlOTaf1
    aDhOoJU9kqUWFNKAQZUXv5ZiqJ22
    fUWmCvvv54Q3omB55laNVBJK5UC3
    jlv7X8UTfhZsQ3j4pGY9lscoDuN2
    vpt3zeHVftPoXbRDpq3UJYlcE3G3
      budgets
        My Trip
        trip1
      trips
        My Trip
          Sunday May 21
            06:32
              eventDesc: "DFW - TPE"
              eventLoc: "DFW "
              eventTime: "06:32"
            19:14
          endDate: "05/23/2017"
          startDate: "05/21/2017"
          tripLocation: "Austin, TX"
          tripName: "My Trip"
```

Demo

Questions & Answers

Find it on

GitHub

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