TravelGene Project Plan 16 Spring

Goal of this semester:

- ~~Fix the current existing bug for the web version of TravelGene~~
- Redesign the database to support personalization for multiple users
- Implement new features: Friend's travel history and Personalized Recommendation
- Set up an initial version of mobile end for TravelGene
- Have initial group of users for our application
- Do the market investigation for the web and mobile end TravelGene to understand which one should be emphasized in the future
- Release the app to the app store by the end of March, 2016

Have Done:
1. Questionnaire, risk analysis.
2. Homepage: Sign up, view by place, view by calendar, design activities in a specific day, view activities details, view trip details, personal information.
3. Trip Design Page
4. Personal Information Page
5. Trip Details Page
6. Calendar View Page
7. Data Crawling: Basic python data crawling scripts done.
8. MongoDB: Imported data done, standard database creation script done.

Team member:
Jing Li (jli3@andrew.cmu.edu) (Team Lead)
Qiankun Zhuang (qzhuang@andrew.cmu.edu) (Project Manager)
Qiqi Shi (qiqis@andrew.cmu.edu)
Yancheng Liu (yanchenl@andrew.cmu.edu) (Project Manager)
Zhiyue Liu (zhiyuel@andrew.cmu.edu)
Xiaoyan Zhan (xzhan@andrew.cmu.edu)
Chenyang Ran (cran@andrew.cmu.edu)

List of features:
1. Basic features
    a. Login via Facebook account
    b. Login via TravelGene account
    c. Sign up
2. Trip management
    a. Save trip, load trip
    b. Share trip url or object
    c. Revisit past trip and rebook
3. Recommendations
    a. Hotel recommendation
    b. Flight recommendation
    c. Activity recommendation
    d. Transportation recommendation (rental car, citypass, bike, etc.)
    e. Add activity

  f. Add hotel

  g. Add flight

  h. Add transportation

4. Social Activities

  a. Publish trip itinerary to facebook and emails, with title and destination of trip, and bit.ly link.

  b. Invite others as trip companion/editor/viewer

  c. Others can request to join trip as companion/editor/viewer

  d. Friend Map (real time position, travel footprint)

  e. Friend circle

5. Personal Setting

  a. Profile

  b. Friends list

Lower Priority Features:

1. EAN

  a. Book flight via Expedia

  b. Book hotel via Expedia

  c. Book activity via Expedia

2. One-click travel booking

3. Friend Map (real time position, travel footprint)

4. Friend circle

Responsibilities:

Database: **Qiankun Zhuang (in charge)**, Xiaoran Zhan, Yancheng Liu

iOS: **Jing Li (in charge)**, Yancheng Liu, Qiqi Shi, Zhiyue Liu

Data mining: **Xiaoran Zhan (in charge)**, Qiankun Zhuang, Chenyang Ran (Dismiss after Sprint 6)

Commercial team (Start after Sprint 6): **Jing Li (in charge)**, Xiaoran Zhan, Qiankun Zhuang, Chenyang Ran

Sprint	Time Range	Task	Member
1	1.11 - 1.17	1. iOS initial UI design using Software	1. All Members (2 page each team member and 14 in total)
2	1.18 - 1.24	1. iOS signup/login page 2. Data mining and import: Pittsburgh (include picture) 3. Database redesign and deploy on AWS	1. Jing Li, Yancheng Liu 2. Qiankun Zhuang, Xiaoran Zhan, Chenyang Ran 3. Yancheng Liu, Qiankun Zhuang
3	1.25 - 1.31	1. iOS main page (friend map) part 1 (without sidebar) 2. iOS create trip page part 1 (without algorithm) 3. Data mining and import: TOP 5 Destinations in US (Refer the rank at http://www.tripadvisor.com/TravelersChoi	1. Jing Li, Yancheng Liu, Qiqi Shi 2. Qiqi Shi, Zhiyue Liu (with support from DB team) 3. Qiankun Zhuang, Xiaoran Zhan, Chenyang Ran

		ce-Destinations-cTop-g191)	
4	2.1 - 2.7	1. iOS main page (friend map) part 2 (with sidebar) 2. iOS create trip page part 2 (with algorithm) 3. Data mining and import: TOP 10 Destinations in US (Refer the rank at http://www.tripadvisor.com/TravelersChoice-Destinations-cTop-g191)	1. Jing Li, Yancheng Liu, Qiqi Shi 2. Qiqi Shi, Zhiyue Liu (with support from DB team) 3. Qiankun Zhuang, Xiaoran Zhan, Chenyang Ran
5	2.8 - 2.14	1. iOS friend list page 2. iOS trip history page 3. Data mining and import: TOP 15 Destinations in US (Refer the rank at http://www.tripadvisor.com/TravelersChoice-Destinations-cTop-g191)	1. Jing Li, Yancheng Liu, Qiqi Shi (with support from DB team) 2. Qiqi Shi, Zhiyue Liu 3. Qiankun Zhuang, Xiaoran Zhan, Chenyang Ran
6	2.15 - 2.21	1. iOS personal info (profile) 2. iOS spot detail page 3. Data minig and import: TOP 25 Destinations in US (Refer the rank at http://www.tripadvisor.com/TravelersChoice-Destinations-cTop-g191)	1. Jing Li, Yancheng Liu, Qiqi Shi 2. Qiqi Shi, Zhiyue Liu (Qiankun Zhuang in database team) 3. Qiankun Zhuang, Xiaoran Zhan, Chenyang Ran
7	2.22 - 2.28	1. iOS user setting page 2. iOS logic (switch between pages) 3. iOS welcome page	1. Jing Li, Zhiyue Liu 2. Yancheng Liu, Qiqi Shi 3. Jing Li, Yancheng Liu
8	2.29 - 3.6	1. Release to Apple Store (Milestone 1) 2. Questionnaire and user increase	1. Jing Li, Yancheng Liu, Qiqi Shi, Zhiyue Liu 2. Qiankun Zhuang, Xiaoran Zhan, Chenyang Ran
9	3.7 - 3.13	TBD	TBD
10	3.14 - 3.20		
11	3.21 - 3.27		
12	3.28 - 4.3		
13	4.4 - 4.10		
14	4.11 - 4.17		
15	4.18 - 4.24		

16	4.25 - 5.1		
17	TBD	TBD	TBD