

## Homework 2

Name: Anna Han

### Project 1: Travel Scheduler

#### 1. 3-5 sentence description of the application.

Create your own travel itinerary from the first day to the final day.

It starts on the first day that you decide how to go there. If you need flights, then search the route and book flights. If you need a car for rental, then look for the rental service.

Book your accommodation for staying after arrival. Plan the tours by looking for several options to take. Mapping the route for the tour. I would like to take notes for my trip so this app should look like my notes.

#### 2. Feature list of the app.

##### 1). Time estimate for each feature

Most of the features to make an app are not familiar to me. So I gave some large time for each item.

| Feature            | Time estimate |
|--------------------|---------------|
| make a calendar    | 20 hour       |
| book flight or car | 25 hour       |
| book accommodation | 10 hour       |
| plan the tours     | 30 hour       |
| mapping the route  | 22 hour       |

**Might be a bit too difficult to try to do bookings since you'd have to deal with payments. Maybe instead, walk users through these different processes and allow them to import itineraries from the various sites or easily add the info manually.**

2). The technology each feature will use (network/internet, remote server, database, bluetooth, camera, GPS, accelerometer, 3D Touch, multitouch, etc)

database for keeping track of travel.

internet to search the information.

GPS to map the route.

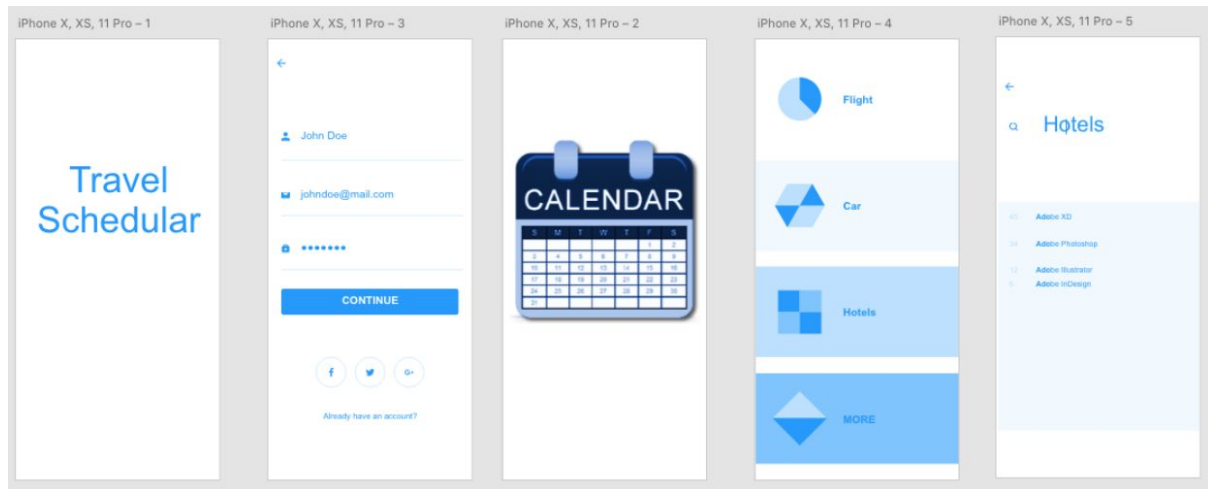
Graphic to have its own calendar.

#### 3. Provide at least 3 sketches or wireframes of each app.

For the calendar, tableview will use.

For booking transportation, it needs to connect to some network to find out and book.

I download Adobe Xd for wireframes. It didn't have many choices for designing my app but helped me sketch the first step. I couldn't show arrows to connect each view here so I put these on order.



4. Search the app store and find any applications that might compete with your app and figure out ways you can make your app better than those.

- Triplt: Travel Planner ; Trip & Vacation Organizer  
This site looks very nice for view, edit of flight, hotel, transportation, and other travel details like mentioned in the app. It supports offline use. But it seems just an alternate way to use the website. My app should be not just a replacement for convenient search but build people's travel plans more individual oriented.
- VacationPlanner  
It has count down clock to the automatic itinerary feature. If I can use the alarm system for signaling the time scheduled, it is a great item to add.

5. Describe the intended audience that the app is for.

1. Who is the general audience? This can be a demographic, people working in a certain industry or any description of a group that'll use your app. Try to be specific.

Audience can be anyone. Adults can make a reservation for accommodation and book a flight and rental car. Kids can just sketch their trip for fun.

6. What price would you set the app at?

Free.

## Project 2

1. 3-5 sentence description of the application.

Simple Housekeeping book.

Record everyday expenses by weekly planner. It can show monthly and yearly for total. I want to add some items like a game. By dragging the picture of the item, it can be recorded. When dragging to the middle circle, the sound effect will help to make it more like a game.

## 2. Feature list of the app.

### 1. Time estimate for each feature

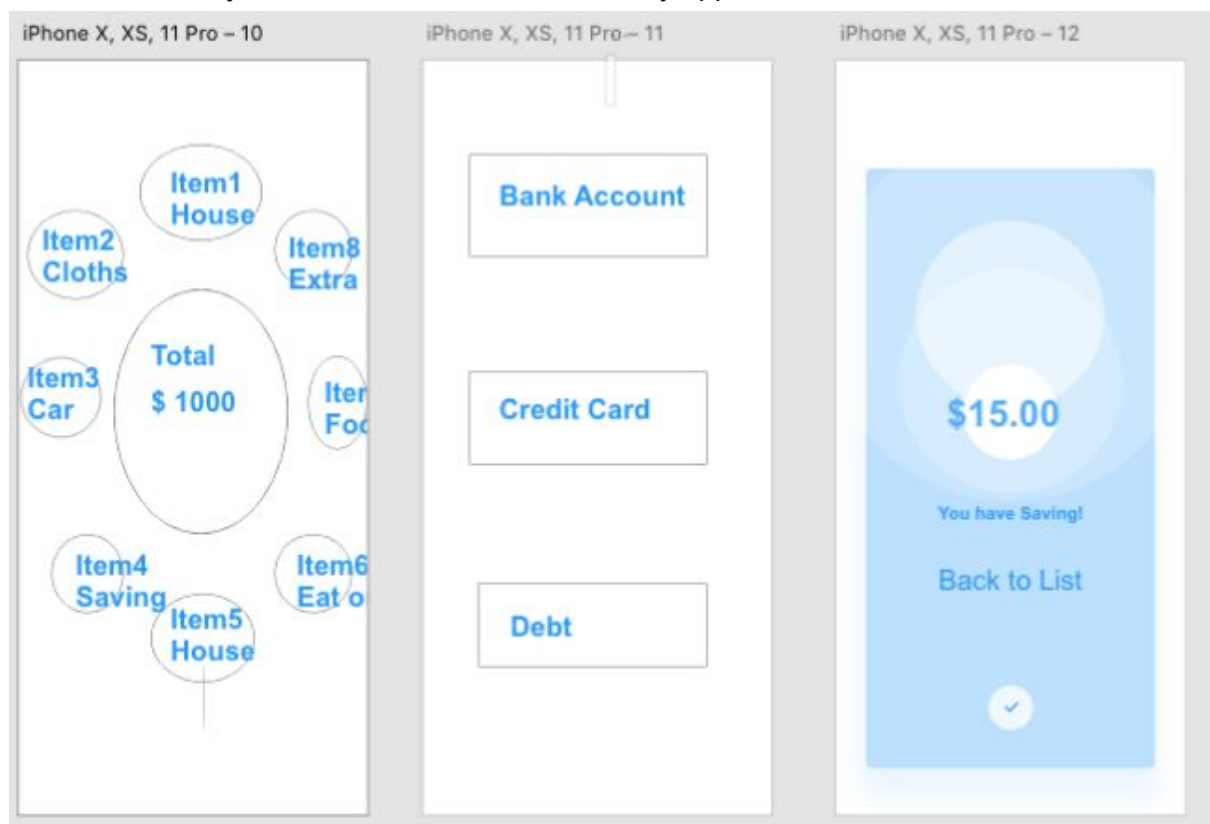
| Feature                              | Time estimate |
|--------------------------------------|---------------|
| camera for record from paper receipt | 10 hour       |
| Dragging                             | 11 hour       |
| Database                             | 12 hour       |
| Music                                | 15 hour       |

2. The technology each feature will use (network/internet, remote server, database, bluetooth, camera, GPS, accelerometer, 3D Touch, multitouch, etc)

3DTouch, camera, database, music background with turn on and off. **Gestures maybe too.**

### 3. Provide at least 3 sketches or wireframes of each app.

For each item, I would like to use pictures instead of letters. I made a login page in my first sketch, so here I just sketched the main idea for my app.



4. Search the app store and find any applications that might compete with your app and figure out ways you can make your app better than those.

- MoneyControl - Income and Expense tracker

I like this app that supports up to six family members. I am wondering how to deal with each person's expenses. I want to divide family members each expense and total amount. And show their contribution to total by their own color. So it is easily recognizable.

5. Describe the intended audience that the app is for.

1. Who is the general audience? This can be a demographic, people working in a certain industry or any description of a group that'll use your app. Try to be specific.

Any one over age 18 can use this app. Since the financial data is required, it's best for the adult.

6. What price would you set the app at?

Free

**Might need some additional mobile specific features to make a good final project.**

### Project 3

1. 3-5 sentence description of the application.

Food Diary:

I came up with an idea that records all a person's meal for everyday. When I want to plan on a diet, I want to check how much I eat each day including drinking beverages and snacks.

Keeping a diary of eating was not easy, so I want to make a simple app to track my eating habits. I hope I can find

If it is possible, I want to add a Cook planner for recommending. There are many cook books online. We can use those cookbooks for our own purpose. According to the personal requirement, people can make their own cook planning for their health.

2. Feature list of the app.

**You can also maybe pull from the nutrition facts API that I posted earlier. That in addition to these features would make a good app for a final project.**

1. Time estimate for each feature

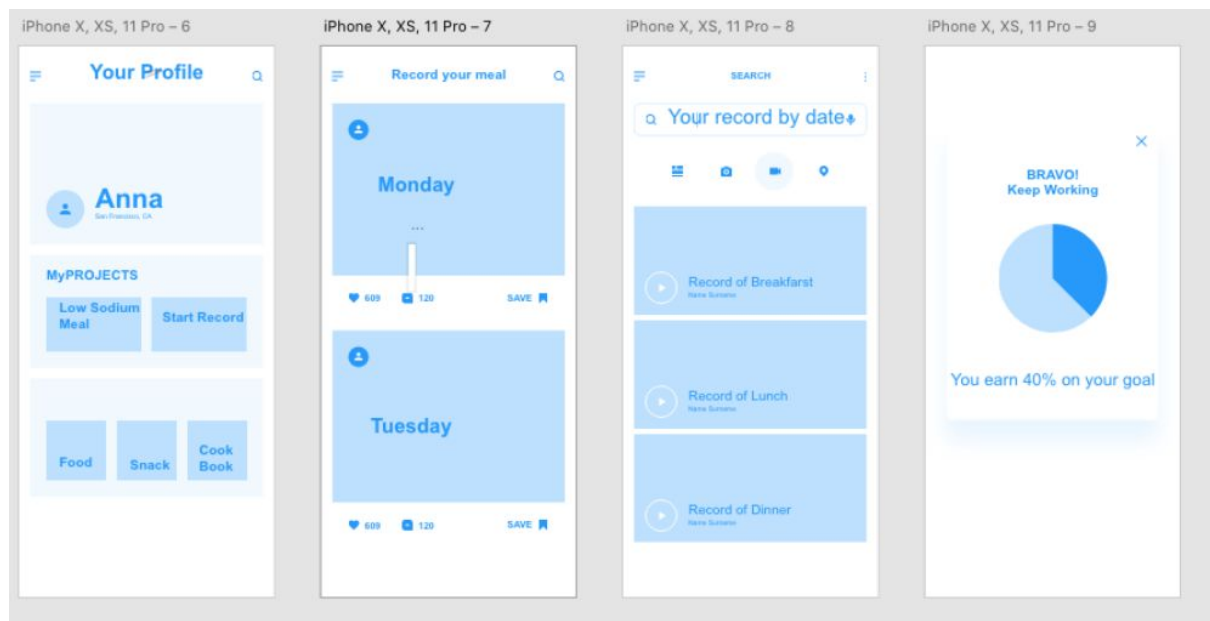
| Feature  | Time estimate |
|----------|---------------|
| camera   | 21 hour       |
| database | 18 hour       |
| internet | 10 hour       |

2. The technology each feature will use (network/internet, remote server, database, bluetooth, camera, GPS, accelerometer, 3D Touch, multitouch, etc)

For the record, I mainly want to use a camera to record instead of writing. To keep track of records, I need a database to keep all records. I could not find out the way I can keep track of calories and nutritions by just taking a picture and transferring to an easy number to compare. It seems like magic if it is possible. For similar effectiveness, I am keep looking for libraries now. Database to keep records.

3. Provide at least 3 sketches or wireframes of each app.

I will use table view to record the pictures for each meal a day. It connects from day to week, and can use a database to transfer all the data to keep.



4. Search the app store and find any applications that might compete with your app and figure out ways you can make your app better than those.

- Webcam World view Discovery  
This app is for Globe Travel & Live Streaming. It isn't similar to my app but the use of webcam makes me interesting.  
If I can use this technique to record a food diary, it looks more liable. But it seems I need to pay a high price for a month. I will look at how to use a lively camera for free.
- Calory; Easy Calorie Counter & Tracker  
It showed scale to easily understand. Several items to keep track of. I like the feature that has no registration or sign up required. If I use the iCloud, all the information is stored. I want to find out how I can deal with this for the people who don't use iCloud.
- Weight Tracker-Fitness Journal

It showed a nice chart and graphics. It costs \$19.99. The screen looks like a somewhat research result. I want to make a more simple and graphical screen.

5. Describe the intended audience that the app is for.

1. Who is the general audience? This can be a demographic, people working in a certain industry or any description of a group that'll use your app. Try to be specific. Any one who wants to track their eating habit over age 10. First time I thought about this app, it was for people's health. Someone who has a diabet, high cholesterol and other medical purposes, needs to keep track of their meal to check. Someone who wants to lose their weight also needs it.

6. What price would you set the app at?

Free. If I can give more information about their needs, I can charge a little.