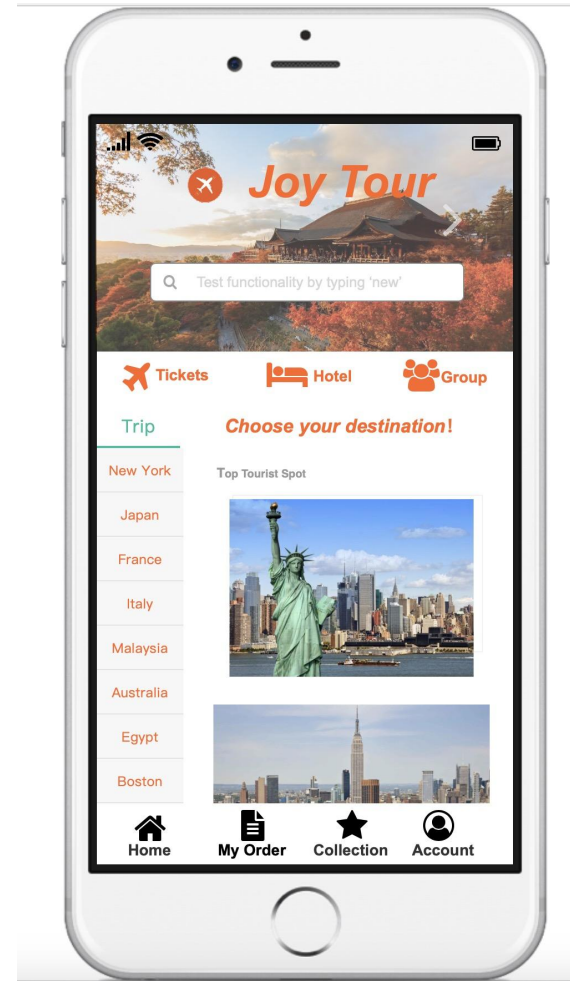# Joy Trip

FRI-Group 2

Ruoyu Xu   001448098
Yumeng Li   001448424
Minxuan Hu   001421068
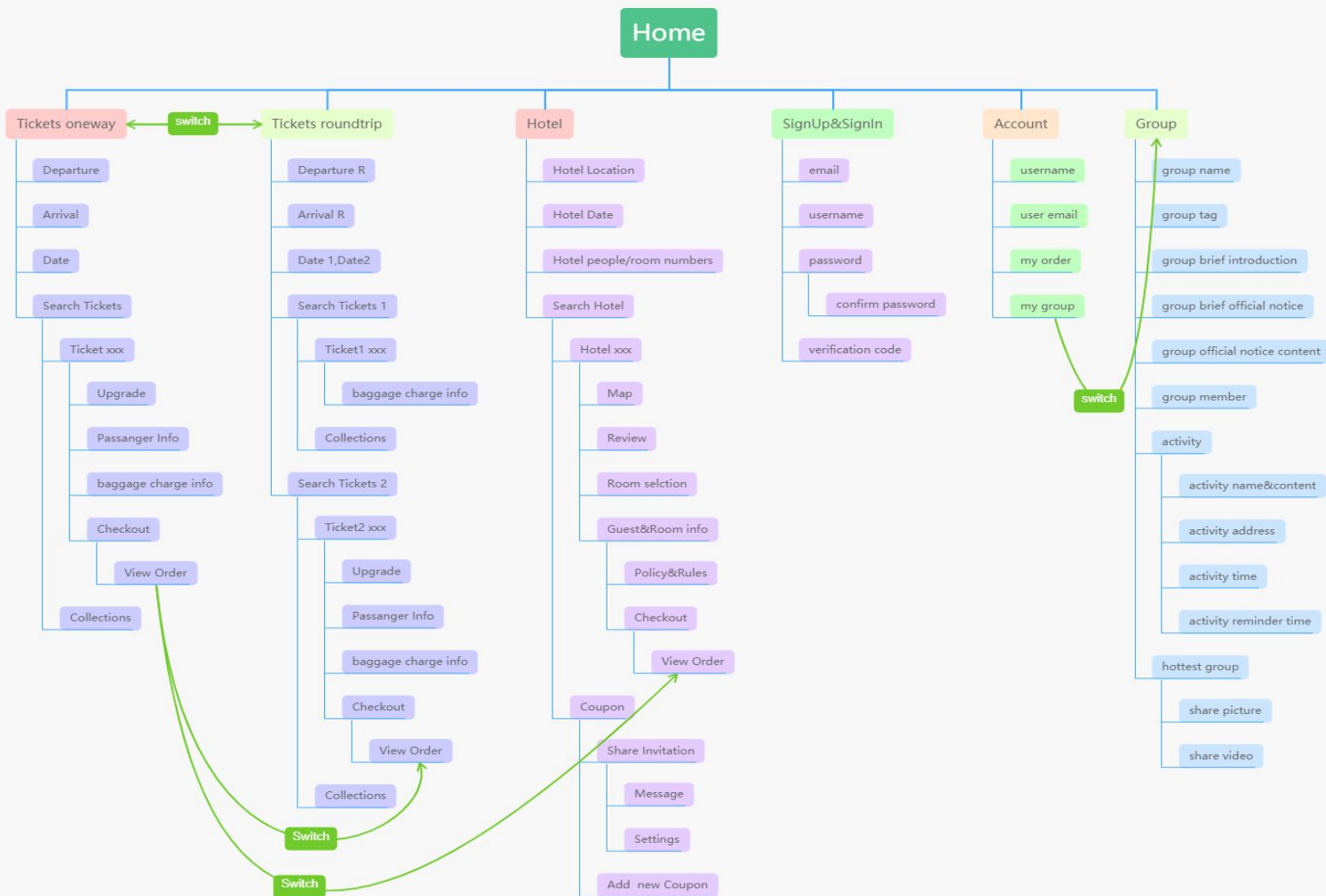Wenjing Lu   001405695

At Midterm

What did we do till mid term?

- Decided our topic and main functions of our App. Then, it came to strategy plane, we define our business objectives. Also, we designed three personas. Then we used questionnaires to do the user surveys.
- For the next step, we listed the content requirements, user requirements, functional requirements and technical requirements. For user requirements, we divided them into two parts. The first one is the tourists requirements while the other one is for stakeholders.
- For Structure plane, we defined conceptual modeling and how should we do the error handling. Also, we drew the information architecture and the end to end flow of the whole App.
- For the last part, we described our onboarding contents which includes navigation videos, interest labels, automatic chatbots and previous reviews. For a better user experience, we listed several human factor concepts and wanted to combine them with our design.
- Besides, we also divide our job and list our team works. For prototype, we firstly used Mockups to design it and had the miniature of our whole products.

High Fidelity Mockups using Axure tool

Information Architecture

Home

Tickets oneway — switch — **Tickets roundtrip** — **Hotel** — **SignUp&SignIn** — **Account** — **Group**

Tickets oneway
- Departure
- Arrival
- Date
- Search Tickets
  - Ticket xxx
    - Upgrade
    - Passanger Info
    - baggage charge info
    - Checkout
      - View Order
  - Collections

Tickets roundtrip
- Departure R
- Arrival R
- Date 1,Date2
- Search Tickets 1
  - Ticket1 xxx
    - baggage charge info
  - Collections
- Search Tickets 2
  - Ticket2 xxx
    - Upgrade
    - Passanger Info
    - baggage charge info
    - Checkout
      - View Order
  - Collections

Switch

Hotel
- Hotel Location
- Hotel Date
- Hotel people/room numbers
- Search Hotel
  - Hotel xxx
    - Map
    - Review
    - Room selction
    - Guest&Room info
      - Policy&Rules
      - Checkout
        - View Order
- Coupon
  - Share Invitation
    - Message
    - Settings
- Add new Coupon

SignUp&SignIn
- email
- username
- password
  - confirm password
- verification code

Account
- username
- user email
- my order
- my group

switch

Group
- group name
- group tag
- group brief introduction
- group brief official notice
- group official notice content
- group member
- activity
  - activity name&content
  - activity address
  - activity time
  - activity reminder time
- hottest group
  - share picture
  - share video

Skeleton Plane

interface design,

navigation design

information design

Surface Plane

For surface plane, it mainly deals with the sensory design and the presentation ways of logic. For color palettes, we use orange and white as the main colors which respond to our orange logo. Also, we apply "Arial" as the basic fonts for the principle " Simpler is better". Contrast matters too. Thus, we use contrast and highlight to draw users' attention and make them realize the real essential parts of specific pages.

Google Material Design

1)In terms of color, the text, icons and dividing lines of our interface are set with transparency, indicating text and lower visual level.

2)System icon simple and modern, bright shape.

3)The selected images are theme-relevant, informative, enjoyable, and provide an emotional connection with the user, providing an immersive experience.

UX Principles

1. Great experience is about control
2. Great experiences are simple.
3. Great user experience is invisible

QA and testing

Test Number	Test Case Description	Step#	Test Step	Results	Status
	Book a one-way Ticket		Click Ticket and enter into Ticket Page and click Search button	It shows the warning"! Error,lack of information… "	Pass
			Click Departure Icon	Enter into Departure City Page	Pass
			Click Input box and choose"Boston,MA,USA"	The Input box shows"Boston"	Pass
			Click close Icon	Go back to Ticket Page and the input box of Departure shows" Boston"	Pass
			Click Arrival Icon	Enter into Arrival City Page	Pass
			Click Input box and choose"Seattle,Washington,USA"	The Input box shows"Seattle"	Pass
			Click close Icon	Go back to Ticket Page and the input box of Arrival shows"Seattle"	Pass
			Click Calendar Icon	Enter into Book Date Page	Pass
			Click Date Input and choose a date on the calendar:2020-Octuber-17	The Input box shows"2020-Octuber-17"	Pass
			Click close Icon	Go back to Ticket Page and the input box of Date shows"2020-Octuber-17"	Pass
			Click Search button	Enter into Search one-way trip Airline Page and shows all Airlines Tickets	Pass
			Click heart Icon of Spirit Airline and then click collection Icon	The heart Icon change color to black and then enter into Collection Page	Pass
			Click heart Icon of Spirit Airline	The heart Icon change color to white and enter into empty Collection Page	Pass
			Click back Icon	Go back to Search one-way trip Airline Page	Pass
			Click Sort and Filter Icon	It shows all sort and filter options	Pass
			Click "No Stopping" option	It shows all Airlines Tickets which are filtered by having no stopping	Pass
			Click Sort and Filter Icon	It shows all sort and filter options	Pass
			Click "Price" option	It shows all Airlines Tickets which are sorted by price	Pass
			Choose Spirit airline ticket and click	Enter into Spirit airline ticket Info Page and show all information	Pass
			Click prompt Icon	It shows Information of baggage charge	Pass
			Click Confirm button	Go back to Spirit airline ticket Info Page	Pass
			Click Next button	Enter into Spirit airline ticket details Page	Pass
			Click "Upgrade" Icon	It shows all Upgrade options and details	Pass

UX research methods

1. Focus Groups
2. Interviews
3. Concept Testing
4. Customer Feedback
5. Card Sorting
6. Email Surveys

IBM Design Thinking

1. The principles
2. loops
3. keys

Style Guide

1. Color scheme
2. Font scheme
3. Logo
4. Icon or element styles
5. Copywriting
6. Image guide
7. White space consideration

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Thank You!