

# Work Content

The following is a brief introduction of my work

**! All the information in the following pictures and texts are test data!**

## I. China Eastern Airlines

### 1. full-stack airline service platform

#### A. Check-in Ticket

##### a. Interaction and Design (Chinese-English)



Image 1

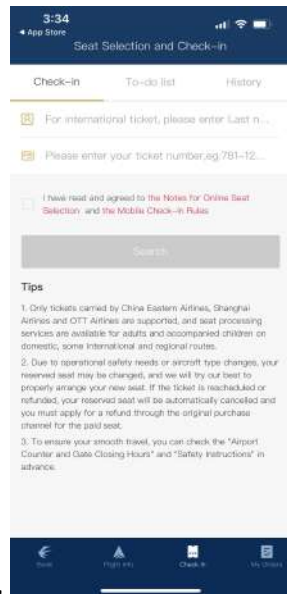


Image 1.1

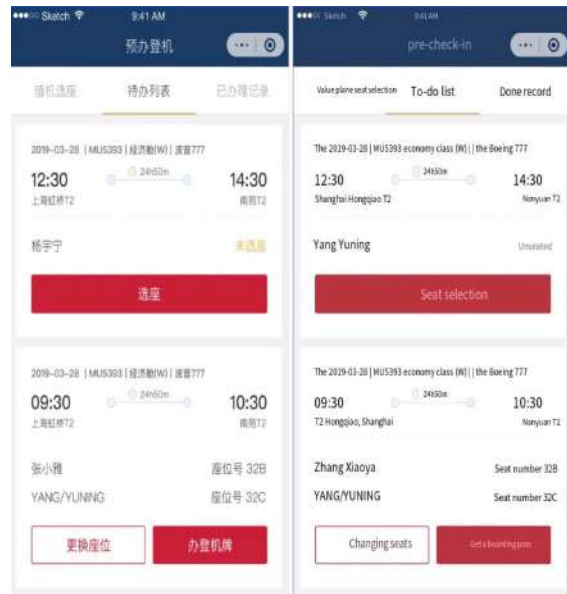


Image 1.2



Image 1.3

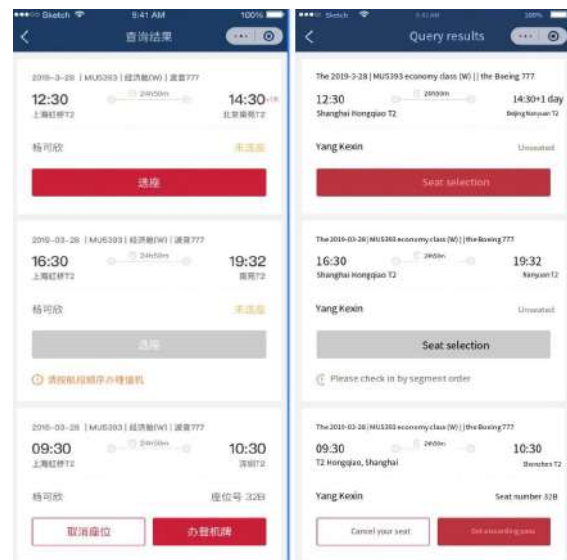


Image 1.4

##### b. Implementation Process

###### Tab1 Requirement

- ① Obtain the user's detailed information according to the ID number and name of the user after successful login. If there is a to-do already done itinerary returned by the interface, self-locate to the to-do itinerary tab. If there is only done, then the tab will be positioned to the done, if there is no itinerary, then it will be positioned to the home tab.
- ② The "Online Seat Selection Notice" and "Mobile Check-in Relevant Regulations" on the homepage correspond to the corresponding webview pages, which are the notice information for users.
- ③ The three input boxes are required to be non-empty, and the ticket number is greater than three characters, and at the same time click to agree to the relevant regulations, then the user is allowed to query the relevant itinerary. Through the tab on the home page, the user can only inquire about a specific air ticket through the ticket number, or through the ID number, all tickets under the ID, but does not display the companions, and the displayed content can be seen on the query result page.

### **Tab2 nad Tab3 Requirement**

- ① Obtain all the itineraries of the user, including companions, through all the ID numbers and names of the logged-in user. The background obtains all the itineraries of the user through the extraction itinerary interface, and obtains all the user's orders through the userId query interface, including the seats selected by the user for others. The background judges whether the itinerary is to be done or completed by checking whether the boarding pass can be checked. If you cannot view it, it is pending, and if you can view it, it is completed. There are several statuses in the pending process: seat selection (check-in open/not open), seat cancellation (check-in not open), seat cancellation & waiting for payment, seat cancellation & boarding pass (check-in open). There are several statuses in process: cancel seat & view boarding pass, view boarding pass, no button.
- ② Calling muservice's extract itinerary interface and userId query order interface will get all the user's itinerary in unit of person, realize all itineraries in unit of itinerary through the Collection layer, and distinguish between to-do and completed and sent to the front-end. The front end writes each status of the to-do itinerary in waitInfo into the component according to the blue lake format, writes each status of the completed itinerary in the alreadyInfo into the component according to the blue lake format, and calls the component through thrchecklist in the page to cycle through the pending itinerary. When other pages jump to the to-do and done page, if there is a change in the itinerary, the entire to-do and done page will be refreshed. If there is no change, the page will not be re-rendered.
- ③ The aircraft model of the itinerary will be displayed on the top of each itinerary that is being processed. This data is called by the background to the public service interface, passed to the interface through the input parameter marketingAbbrModelCd, and returned to the aircraft model.
- ④ The Chinese name of the departure and arrival airport and the country of each itinerary that has been processed are transferred to the public service interface through the background, and all airport data are sent out and stored in the database regularly every day. After all the itineraries are obtained in the background, the three-character code of the departure and arrival airport and the country of each itinerary are integrated, and the database is queried and stored in the pending itinerary one by one.

### **c. Rest Interface**

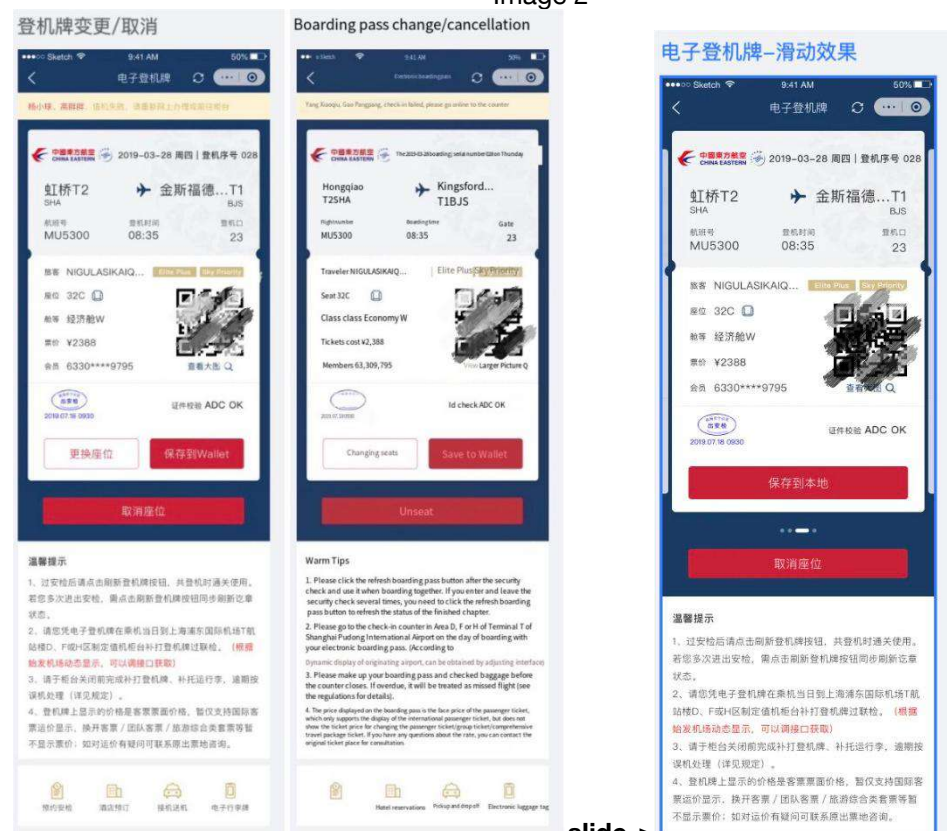
- Extract itinerary interface
- userId query order interface
- cancel seat interface
- airport corresponding Chinese name interface
- country corresponding Chinese name interface
- model query interface based on marketing models

## B. Check Boarding Pass

### a. Interaction and Design (Chinese-English)



Image 2



slide->

Image 2.1

Image 2.2

## b. Implementation Process

① After the user checks in successfully, he can enter from the check-in boarding pass button on the completed page, seat selection order details page, and check result page. Colleagues pass in 3 parameters: already done list alreadyInfo, name array boardNameList, check boarding pass Enter transData; the boarding pass card uses the component, check whether the data in the component has changed through the listener, and update the boarding pass card if there is any change; call the background boarding pass interface on the page page, and pass the returned parameters into the component. Draw the boarding pass card in the component; when the boarding pass muservice interface returns that the seat can be changed and the seat identification can be canceled, the button of changing seat, canceling the seat and saving the boarding pass will be displayed, draw the boarding pass pattern with canvas, and click Save button to save the boarding pass card to the photo album.

② The user clicks to cancel the seat. Here, the five elements of the flight and the ticket number are used to cancel the seat. Pass the input parameter for canceling the seat from the component to the page through the id attribute for cancellation. After canceling the seat, if there is only one boarding pass, return to the previous page, and if there are other boarding passes, refresh the boarding pass page to display it.

The user clicks to change the seat, and all the itineraries that return the boarding pass and the serial number of the itinerary are sent to bookingseat to change the seat. After the replacement is successful, return to the boarding pass page and call the pullchenckInPassInfo() method to refresh the page.

③ After entering the boarding pass page, call the second background interface of the warm reminder. The input parameter is the three-character code of the departure place, and the reverse parameter is the reminder whether the electronic boarding pass can be used for security check.

④ Those who failed to display the boarding pass will be prompted with an orange bay window above.

## c. Rest Interface

- check boarding pass
- cancel seat
- Check whether the user can use the electronic boarding pass security interface

## C. Seat Selection Order

### a. Interaction and Design (Chinese-English)

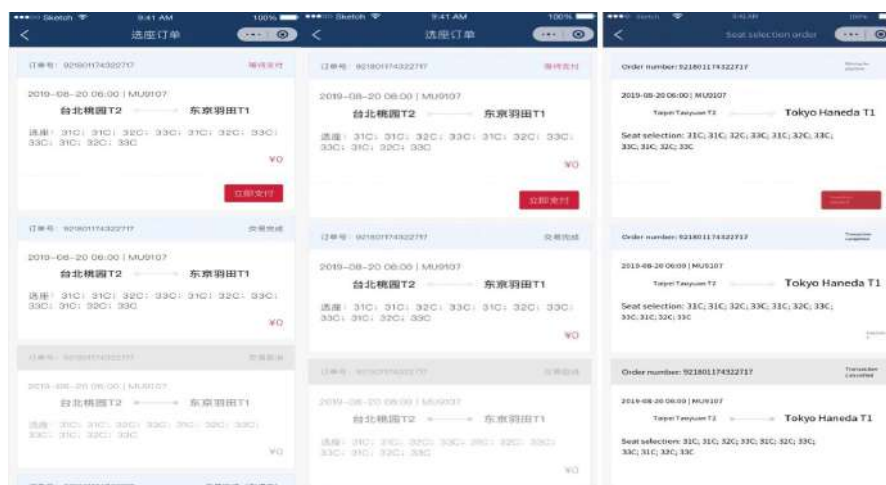


Image 3

Image 3.1

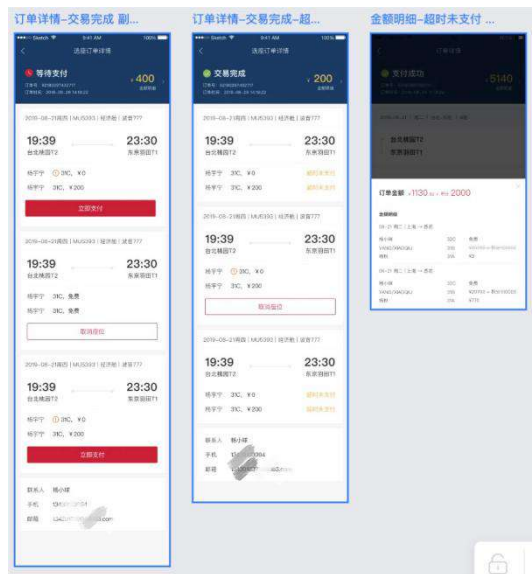


Image 4

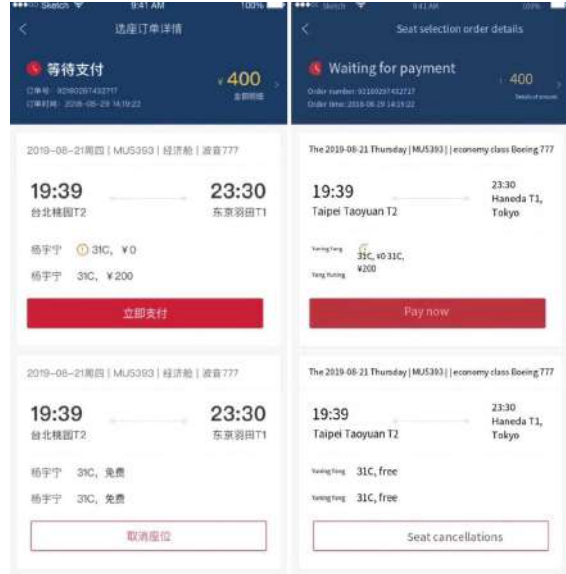


Image 4.1

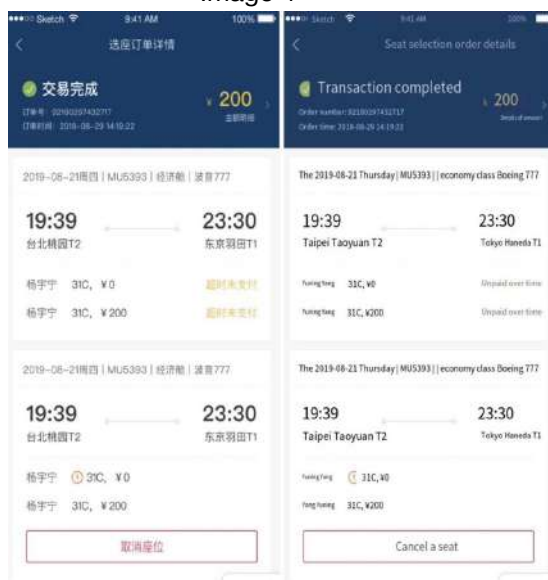


Image 4.2

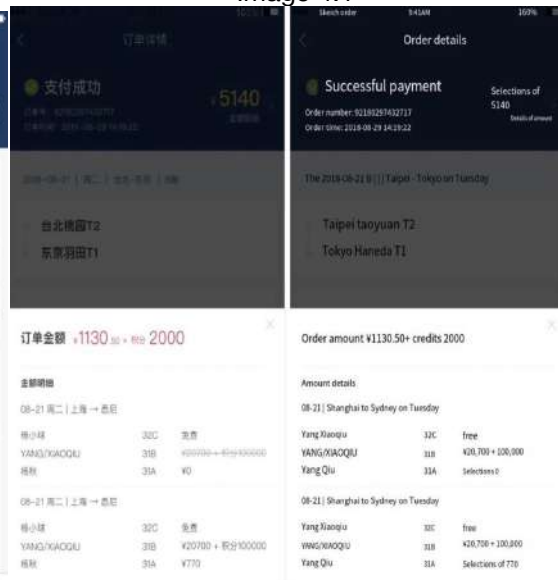


Image 4.3

## b.Implementation Process

The order statuses are as follows:

Waiting for payment: The order has been generated, but the payment has not been completed

Transaction completed: As long as one person successfully selects a seat, the order is in this state.

Transaction completed (seat withdrawal): This is the status as long as there is a paid seat in the order that has been withdrawn.

Transaction completed (pending ticket issuance): As long as there is a paid seat in the order waiting for the EMD ticket to be issued, it will be in this state.

Transaction cancellation: the entire order has not been paid over time or the free seat has been cancelled.

## c.Rest Interface

- Query the seat selection check-in order list interface according to the user id
- Report background query EMD order interface



## D. Check-in Success Page

### a. Interaction and Design (Chinese-English)

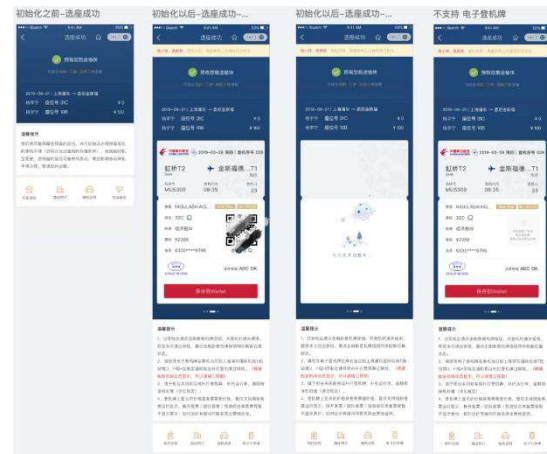


Image 5



Image 5.1



Image 5.2

### b.Implementation Process

If the itinerary has not been opened for check-in, the upper sidebar will prompt that the seat selection is successful; the boarding card will not be displayed; if the check-in is already open, it will display the check-in is successful. The aircraft card and the bay window will remind users of free seats, and blank cards will be displayed for paid seats.

## c.Rest Interface

- Check the boarding pass interface
- Warm reminder the second interface

## E. API Verification

### a. Interaction and Design (Chinese-English)

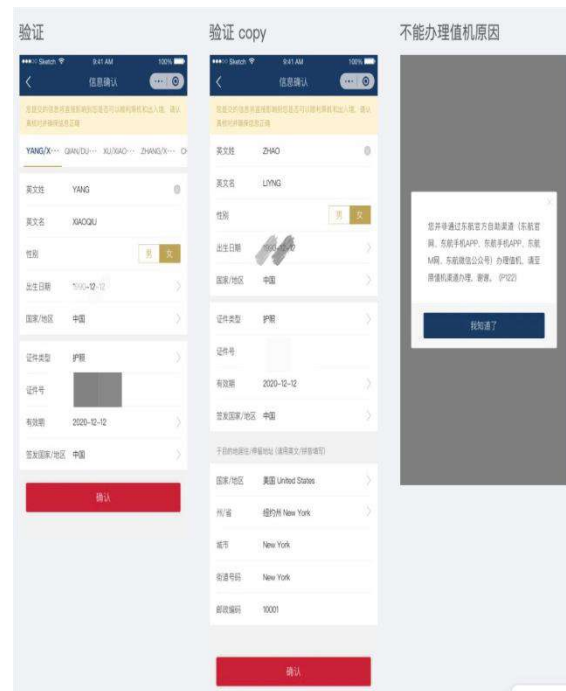


Image 6

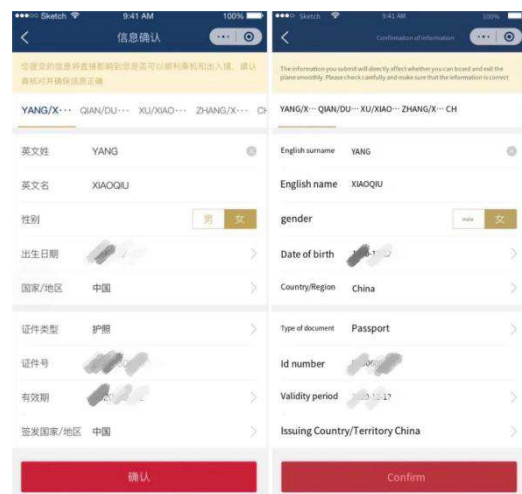


Image 6.1

### b.Implementation Process

- ① If the itinerary is open for check-in and it is an international flight, click Seat Selection on the to-do page or query result page, click on check-in boarding pass in the to-do list, and after adding companions on the seat selection page, you will be redirected to the api campus test page. The front-end input of single or multiple people first obtains the information of api verification, renders it on the page, and users can query the api information of single or multiple people by changing the tab. If there is any error or omission of information, users are allowed to fill in or modify it by themselves. If the user's name and gender can be obtained, the user is not allowed to modify the name and gender, but others can be modified; when the user's name and gender are not obtained, all information can be modified.
- ② When the user selects country information, the front-end calls the information stored in the back-end periodically to obtain a list of all countries from the database. The country or region can be selected by means of pinyin, pinyin initials, Chinese and English, or directly using the automatic positioning Place.
- ③ When it is necessary to verify the North American region, the user needs to fill in more information such as the state, city, street number, etc., and the check-in operation can only continue after the verification is successful.
- ④ When the user clicks OK, the front end needs to verify whether there is any incomplete information. If there is any incomplete information, it needs to prompt the user for the incomplete input box. After the verification is completed, the data is sent to the background.

### c.Rest Interface

- Passenger API information interface for check-in
- Check-in update passenger API information interface
- North American city information

## F. Choose Your Needs

### a. Interaction and Design (Chinese-English)

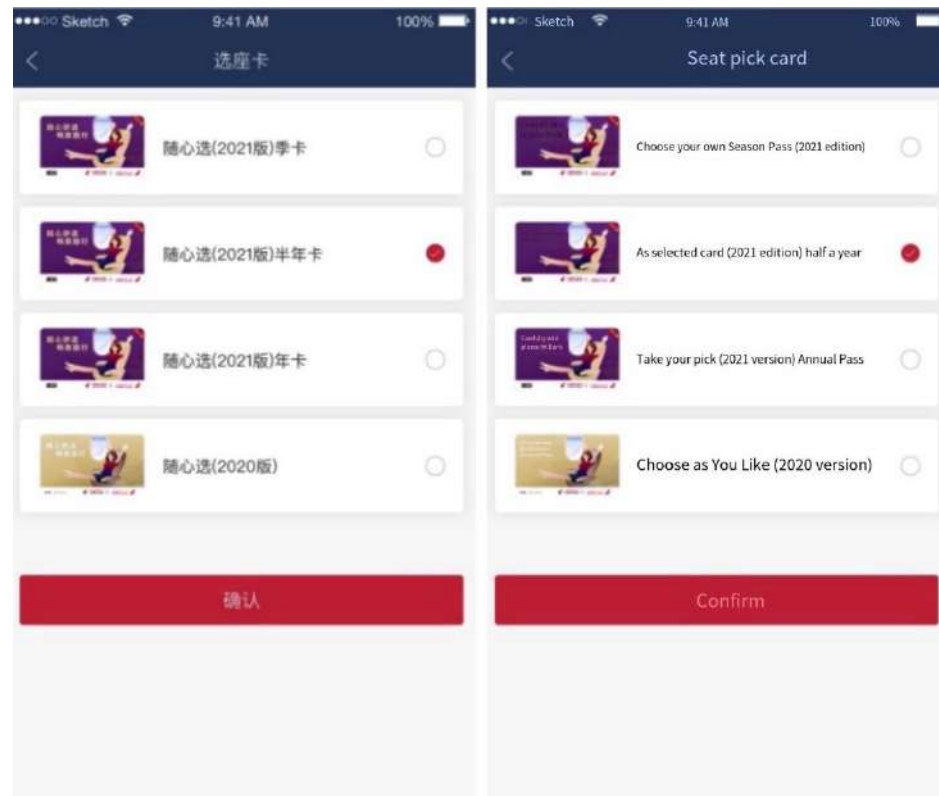


Image 7

### b.Implementation Process

Passengers can choose their favorite seats for free by purchasing annual and semi-annual cards

### c.Rest Interface

- Seat Selection Query Available Coupon Interfaces

## G. Other Requirement

Baby check-in, member center, return to school on the same flight, account opening, overbooking compensation, flight delay compensation, burying points, etc.