

Milestone 2: UI Design for SkyRout

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UI development Environment

- Form: Web application;
- UI Design is: Figma;
- Front-end development stack: Nextjs, React, Shadcn.

SkyRoutes will be developed as a web-based application to maximize accessibility and scalability. This choice allows users to access the platform from any internet-enabled device—such as desktops, laptops, tablets, or smartphones—without requiring platform-specific downloads or installations.

UI Design and Functionality

Overview:

The app has 4 main pages:

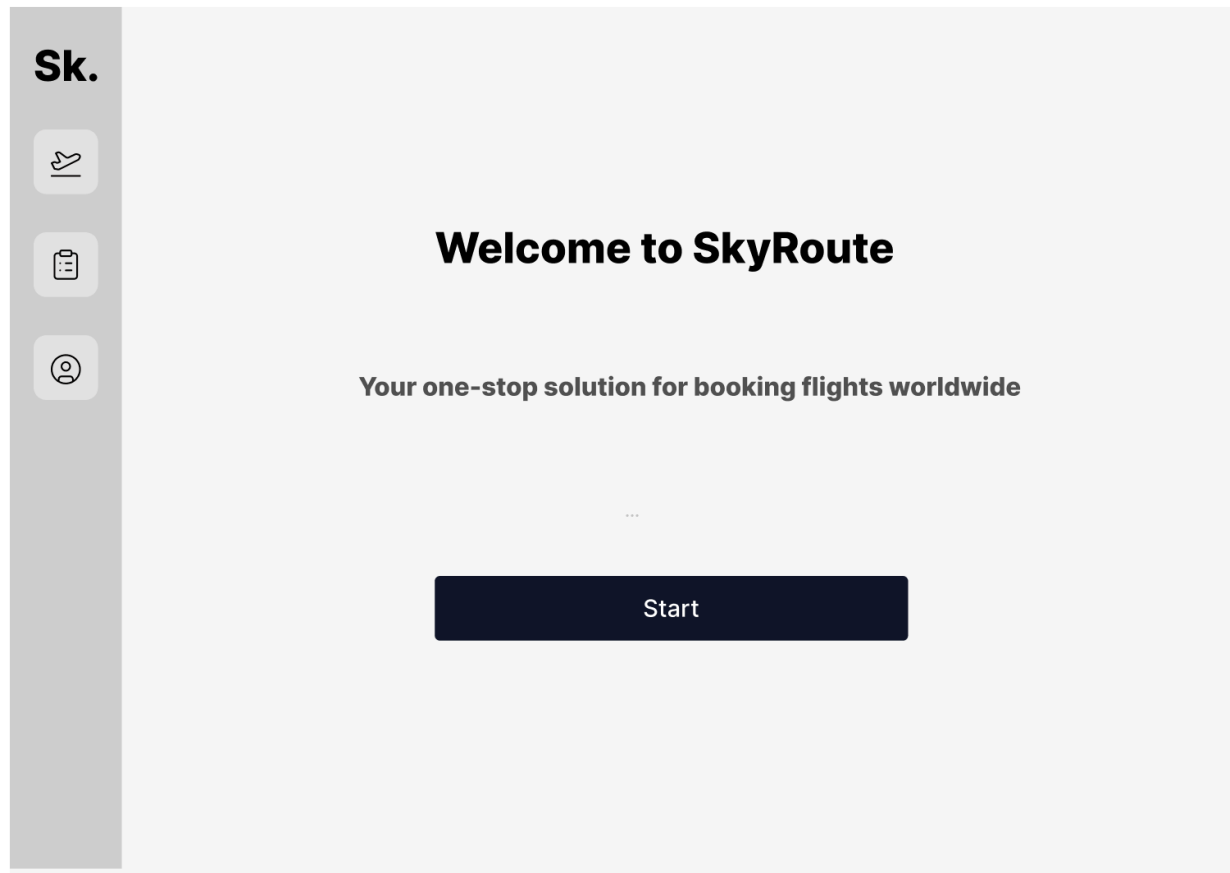
- Home: show a brief introduction and a way for user to start
- Search Flight: user can search flights and view saved trips here.
- Order: show user's orders
- User Profile: show user information and support editing.

The side-bar includes our site logo and global navigation menu (“Search Flight,” “Order,” and “Profile”).

- Purpose: Global navigation linking core features (Home, Search Flight, Order, Profile).
- Usage: A user clicks the relevant tab to jump to that feature page.
- Benefit: Maintains consistent and straightforward navigation.

(The detailed design starts from next page)

Home



This is the home page for user to start. The functionality to to display the brand and the app.

Search Flight - Input

Sk.

Search Flights

Round-trip One-way

From To

Departure Destination

Date Choose passenger

Search

Your Saved Tripes

Destination	Date	Price	
PVG ⇄ JFK	05 / 01 / 2025	2,315	🗑️
PVG ⇄ JFK	06 / 01 / 2025	2,736	🗑️

UI Elements and Functionality:

Search Area:




- Implement a basic search and present an interactive field letting the user choose departure, destination and date of the flight.
- Usage: By clicking in each input area, a dropdown menu will show and the content updates in real time. There will be recommended content and users can search by typing. This is to reduce the need to switch pages too often, lowering interaction cost.

Save Area:

- Implement a list of saved trips by user.

Search Flight - Search Result

Sk.



Search Flights

From
New York

To
LA

Departure
Mar 11

Returning
May 11

Time	Duration	Price	
12:59 pm - 3:37pm	2 h 38 m Nonstop	137	Delta Airline
12:59 pm - 3:37pm	2 h 38 m Nonstop	137	Delta Airline
12:59 pm - 3:37pm	2 h 38 m Nonstop	137	Delta Airline
12:59 pm - 3:37pm	2 h 38 m Nonstop	137	Delta Airline

Filter

☐ Non-stop ☐ 1-stop ☐ 2-stops

[Show more](#)

Sorted By

UI Elements and Functionality:

After the user clicks the “search”. The search result will be displayed.

Modified Area:

- User can still modify search criteria on the top.

Flight List:

- The detailed list of flight will be displayed

Filter Area:

- User can filter the result by clicking and using the drop down menu. The filter will support filtering by stops, airlines, baggage and more.

Sorting Are:

- User can sort the result by using the dropdown menu. The supporting sorting type includes: price (high to low / low to high); time (early to late / late to early) and more

Search Flight - Choose Flight

Sk.

Search Flights

From

New York

To

LA

Departure

Mar 11

Returning

May 11

Time	Duration	Price	
12:59 pm - 3:37pm	2 h 38 m Nonstop	137	Delta Airline
12:59 pm - 3:37pm	2 h 38 m Nonstop	137	Delta Airline
12:59 pm - 3:37pm	2 h 38 m Nonstop	137	Delta Airline
12:59 pm - 3:37pm	2 h 38 m Nonstop	137	Delta Airline

X

More information here

Baggage

Seat

Economy

SaveBuy

UI Elements and Functionality:

Flight Confirmation Module


- Purpose: Recaps selected flight (flight number, departure/arrival time, price).
- Usage: Users verify the flight info before moving on.


Information Form


- Purpose: Select passenger details such as baggage, seat info and levels
- Usage: Required to proceed with the booking.

Order

Sk.







Your orders

Filter

Airline

Destination

Passenger

Departure

Destination	Time	Duration	Seat	Passenger
PVG ⇄ JFK	12:59 pm - 3:37pm	2 h 38 m Nonstop	35B	Rory Porter
PVG ⇄ JFK	12:59 pm - 3:37pm	2 h 38 m Nonstop	35B	Rory Porter

UI Elements and Functionality:

Filter Area:

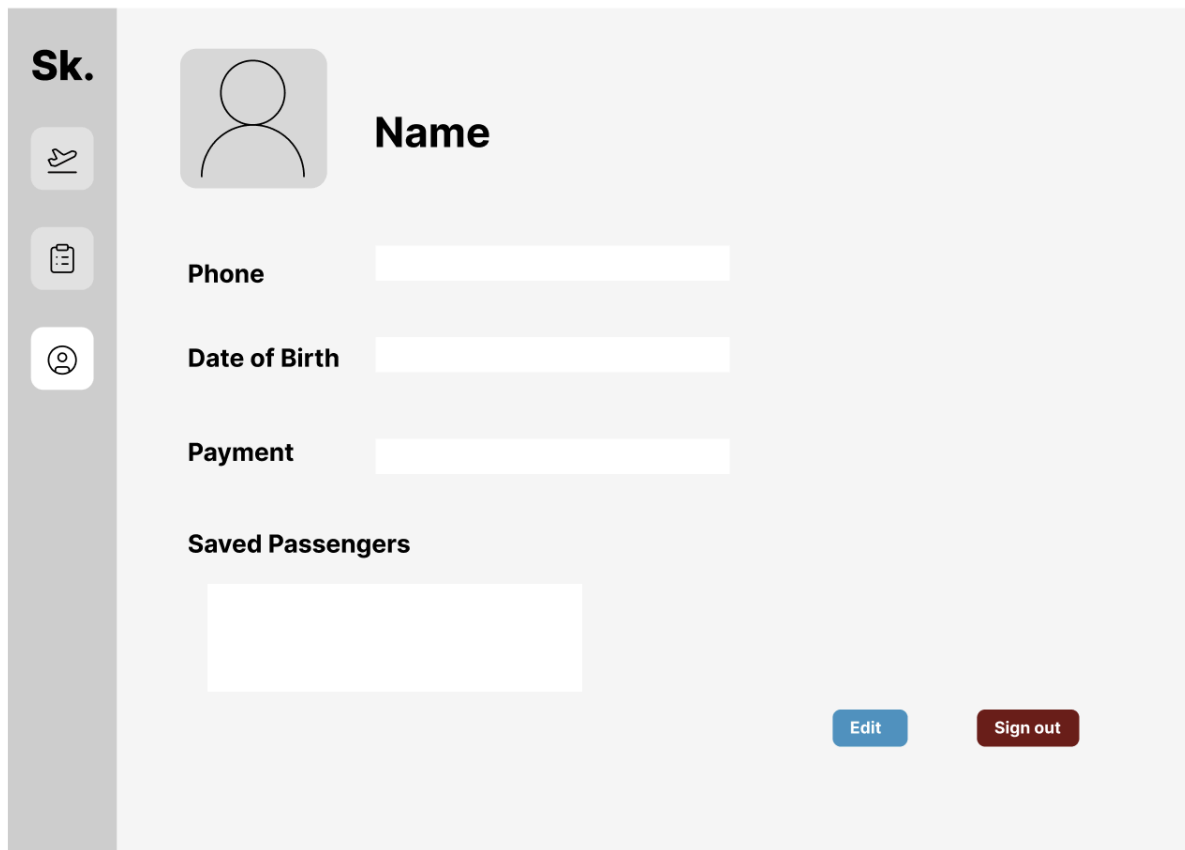
- User can filter the orders by clicking and using the drop down menu. The filter will support filtering by airlines, passengers and time.

Order List:

- The detailed list of orders will be displayed


Basic functionality of order summary-displays a concise overview of the user's chosen flights, passenger information and costs.


Profile





The image shows a user profile form with a sidebar on the left and a main content area on the right. The sidebar contains the text 'Sk.' and three icons: a hand, a clipboard, and a person. The main content area has a header section with a profile picture placeholder and the label 'Name'. Below this are three input fields labeled 'Phone', 'Date of Birth', and 'Payment'. There is also a section labeled 'Saved Passengers' with a large empty box. At the bottom right of the main content area are two buttons: 'Edit' and 'Sign out'.

Sk.









Name

Phone

Date of Birth

Payment

Saved Passengers

Edit **Sign out**

UI Elements and Functionality:

Personal Information Section

- **Purpose:** Shows user's name, email, contact info, and an "Edit" option.
- **Usage:** Users can update details and save changes in real time.