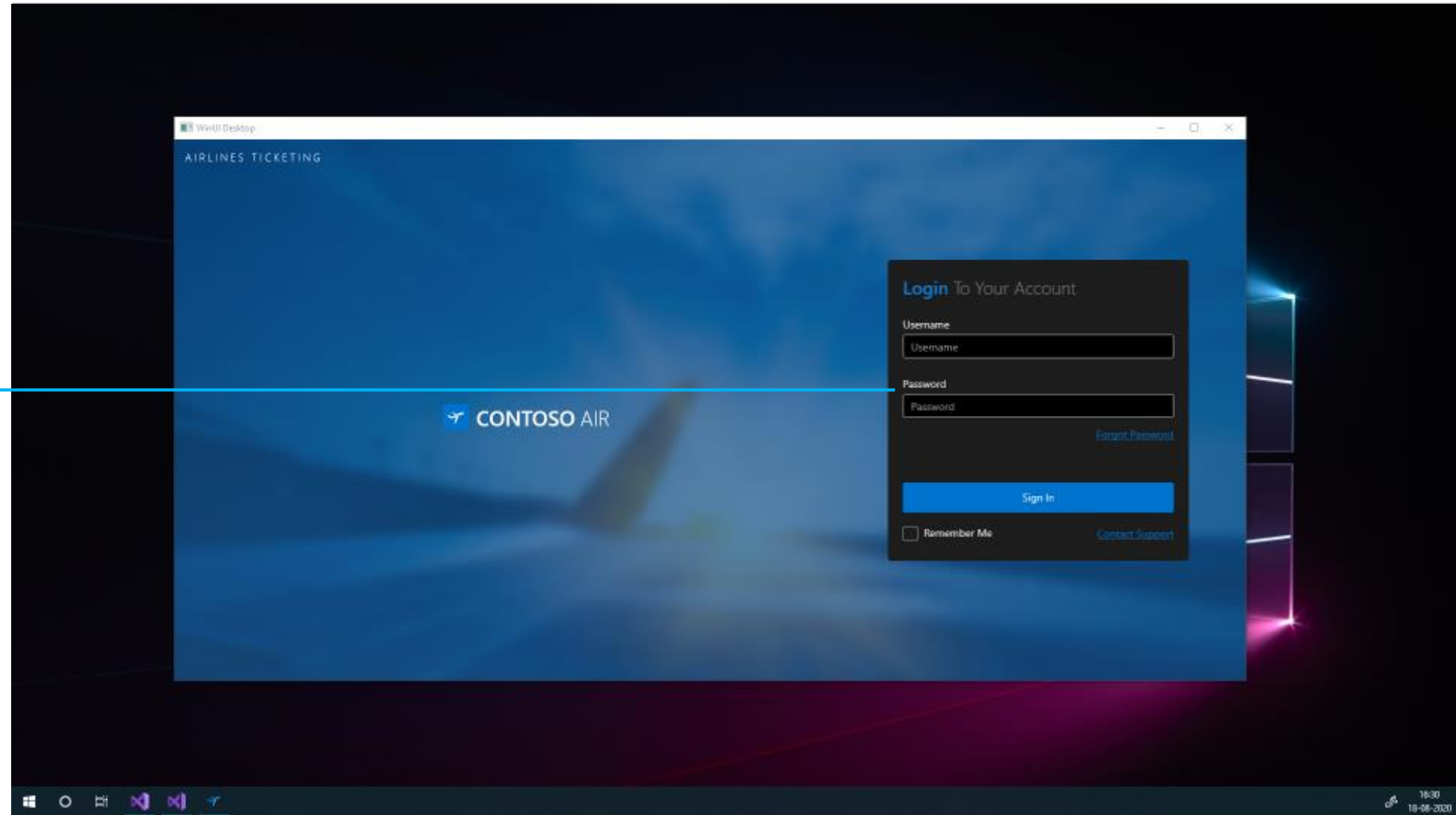


CONTOSO AIRLINES

Functionalities Description | August 18th 2020

Login Page

Login page where user enters their credentials. It also contains basic login functionalities.



Home Page

Navigation View

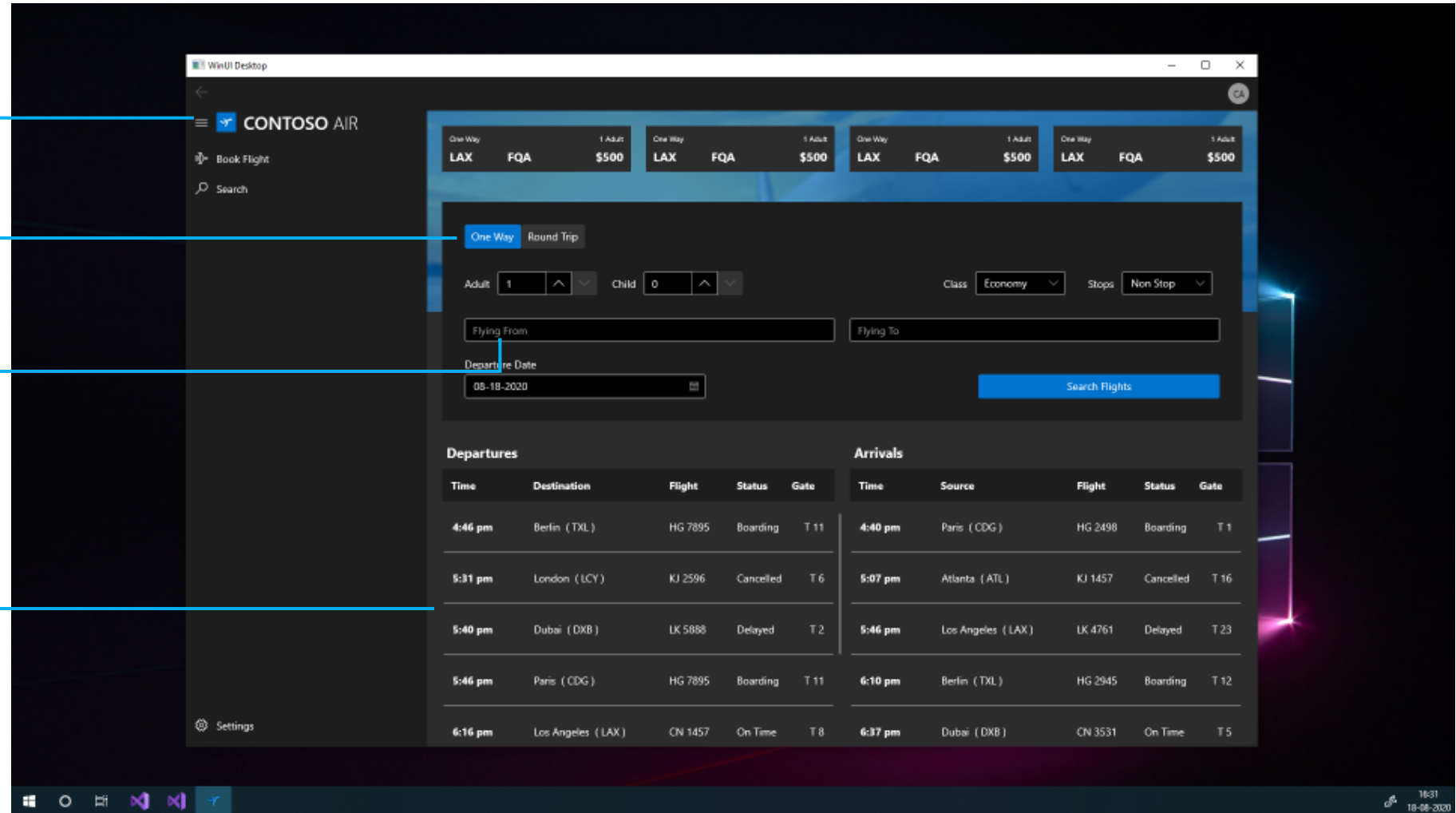
Toggle Button to select between one way and round trip.

Auto Suggest box where user can enter airport name/code and city name.

*only New York supported as departure in Demo

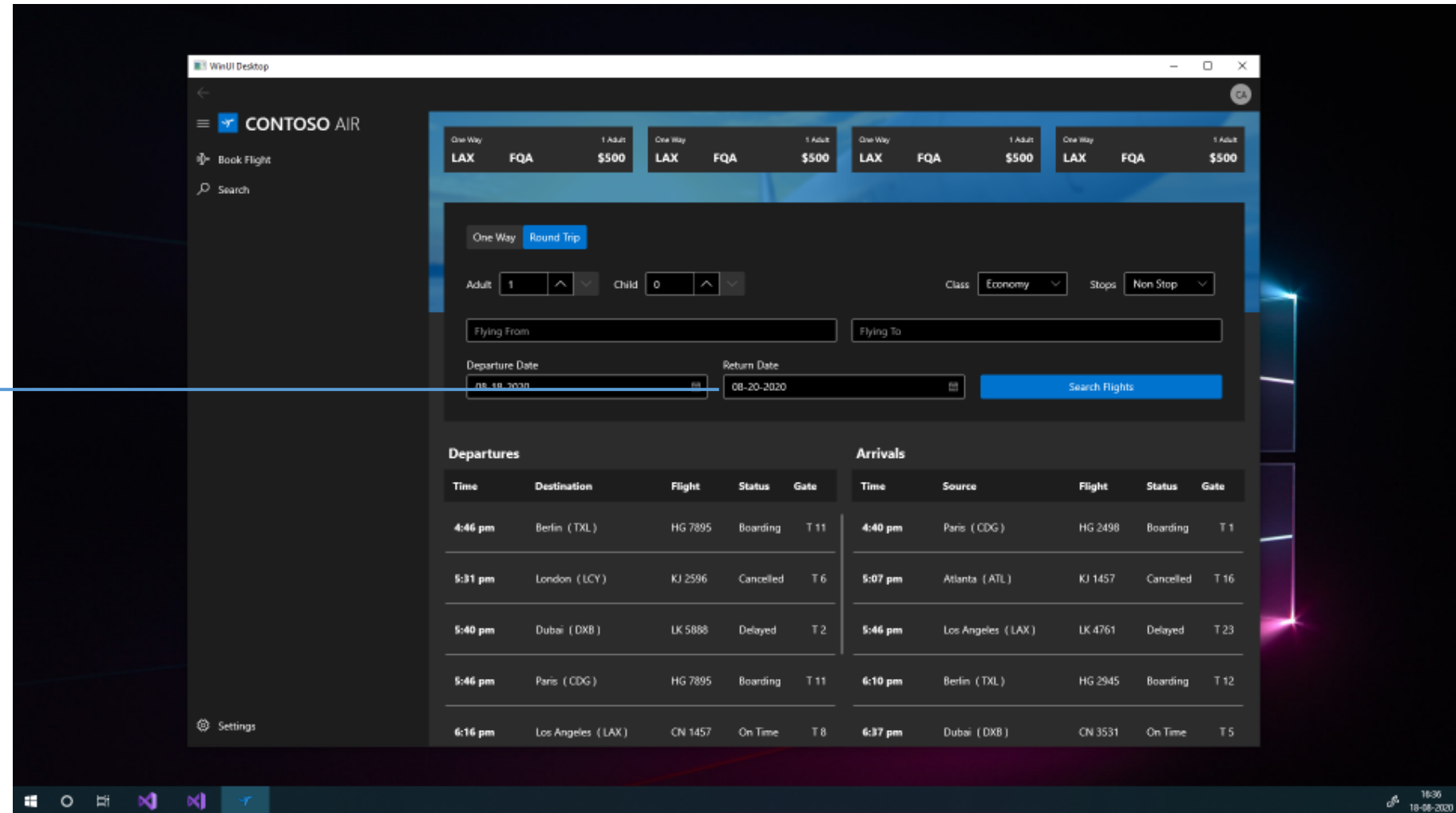
*only one way flight supported for Demo

List View for arrivals and departures.



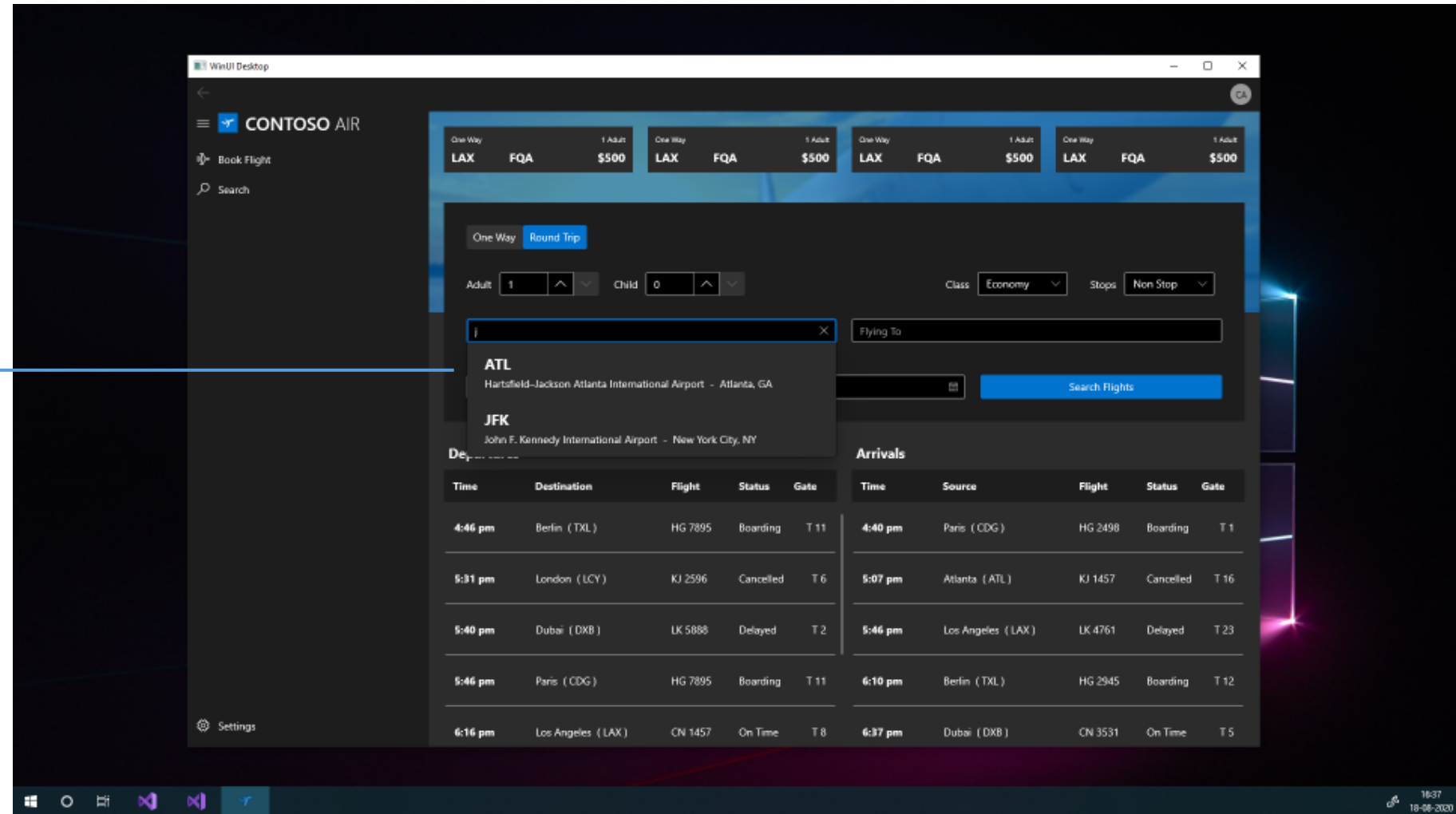
Home Page

When Round Trip selected in toggle button return date picker appears



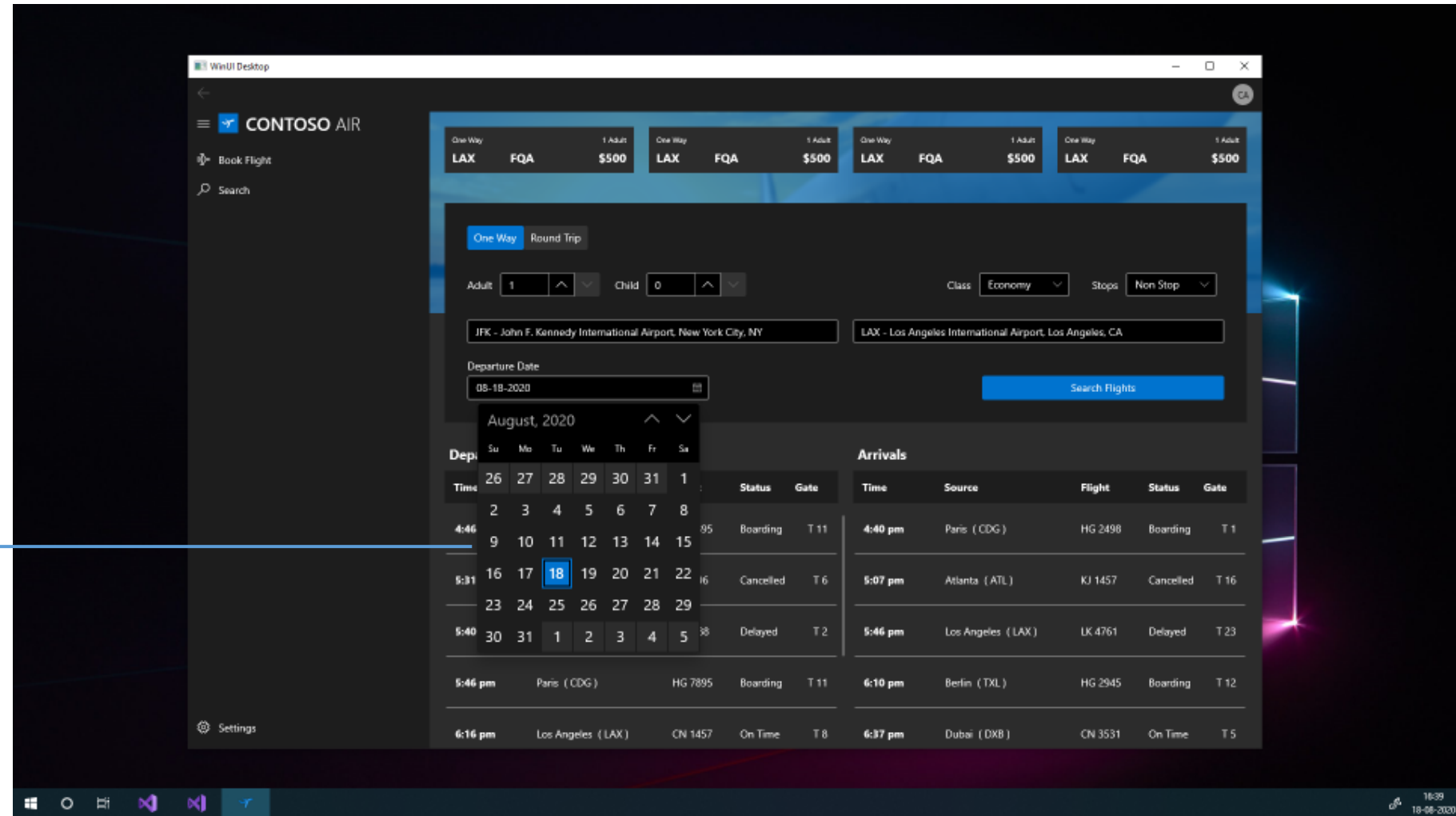
Home Page

Auto suggestion while user enters details to select location



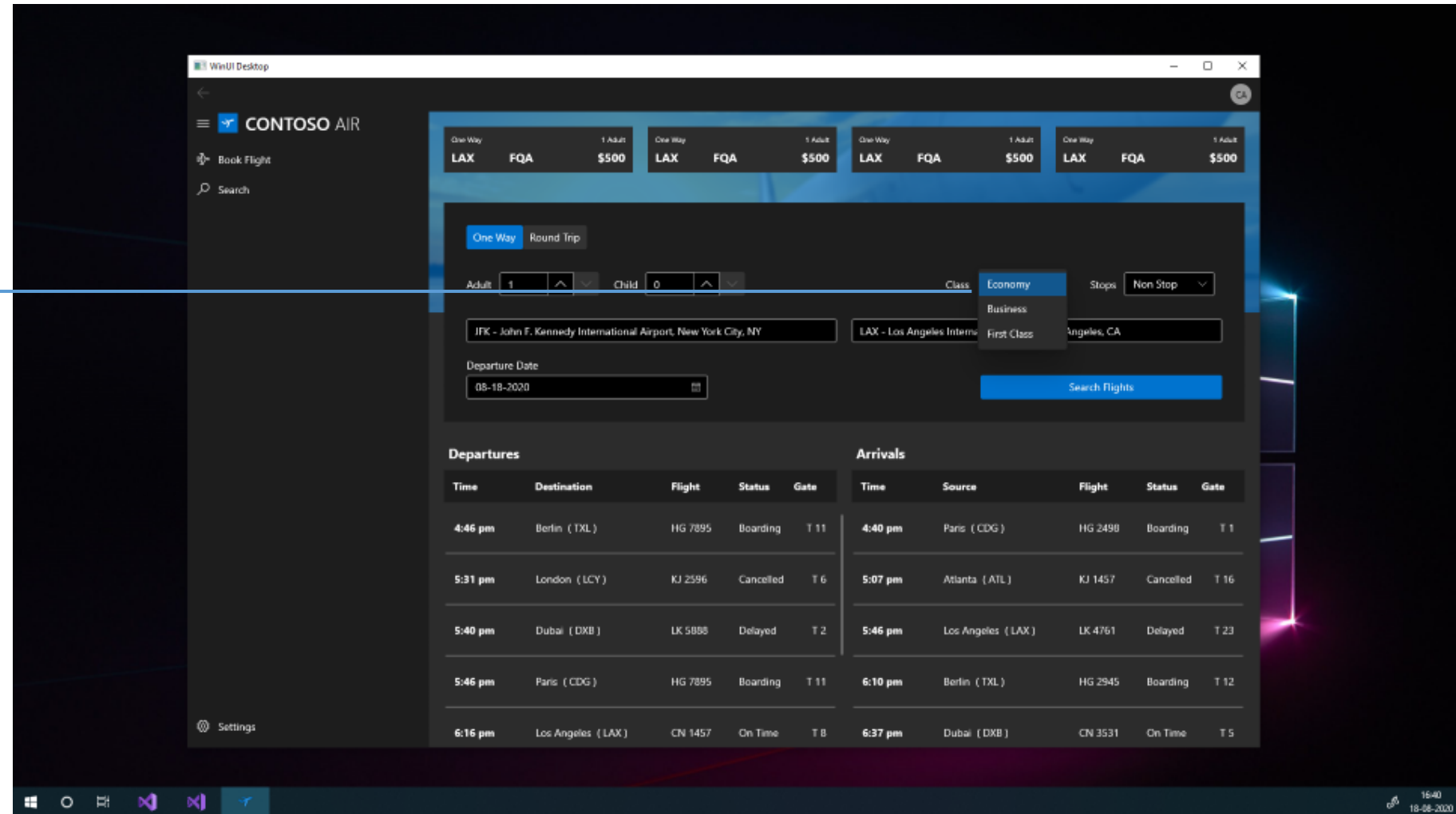
Home Page

Date Picker for enabling
user to select dates



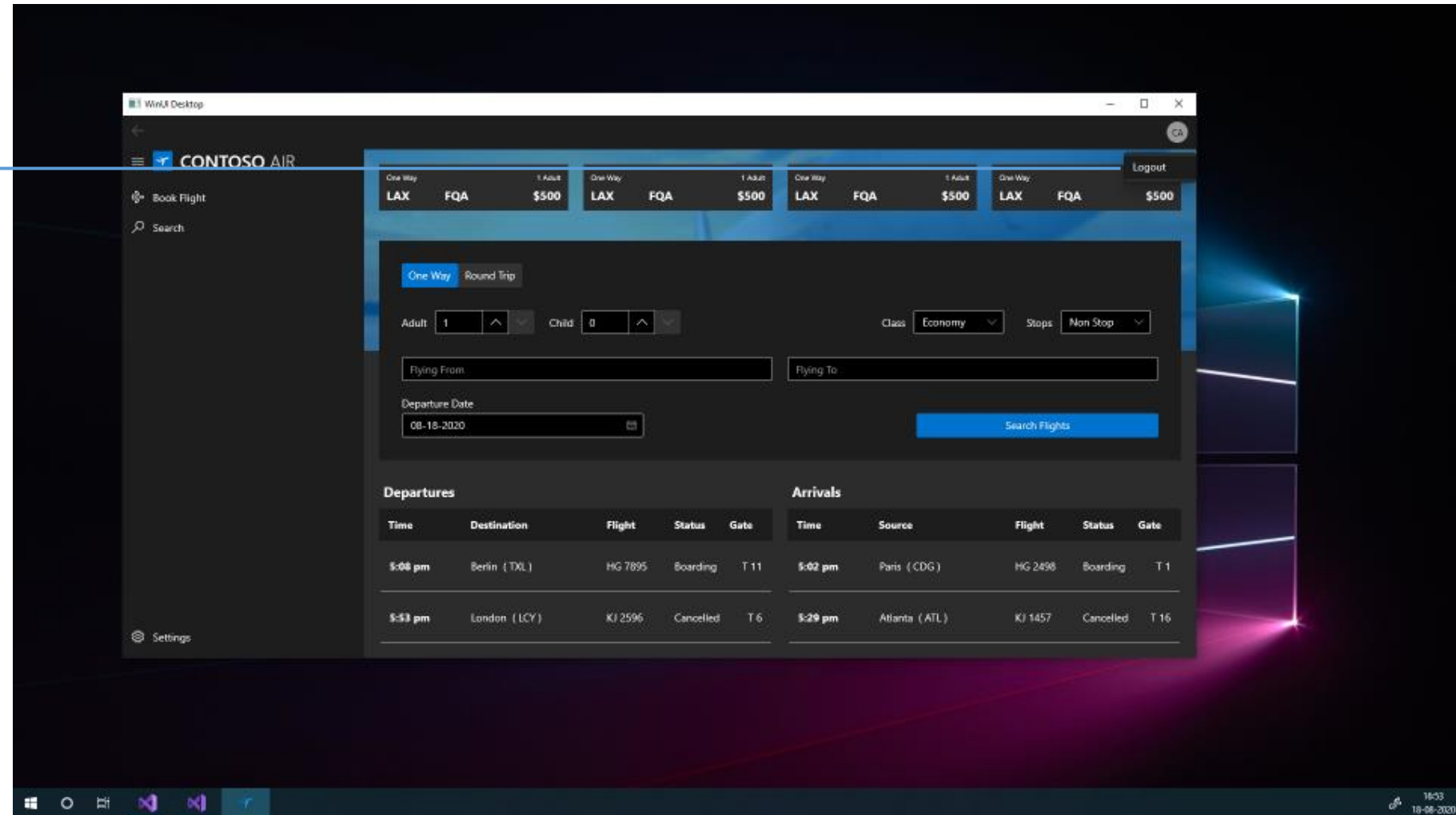
Home Page

Combo Box representation for user to select class they want to travel and stops in the flight.



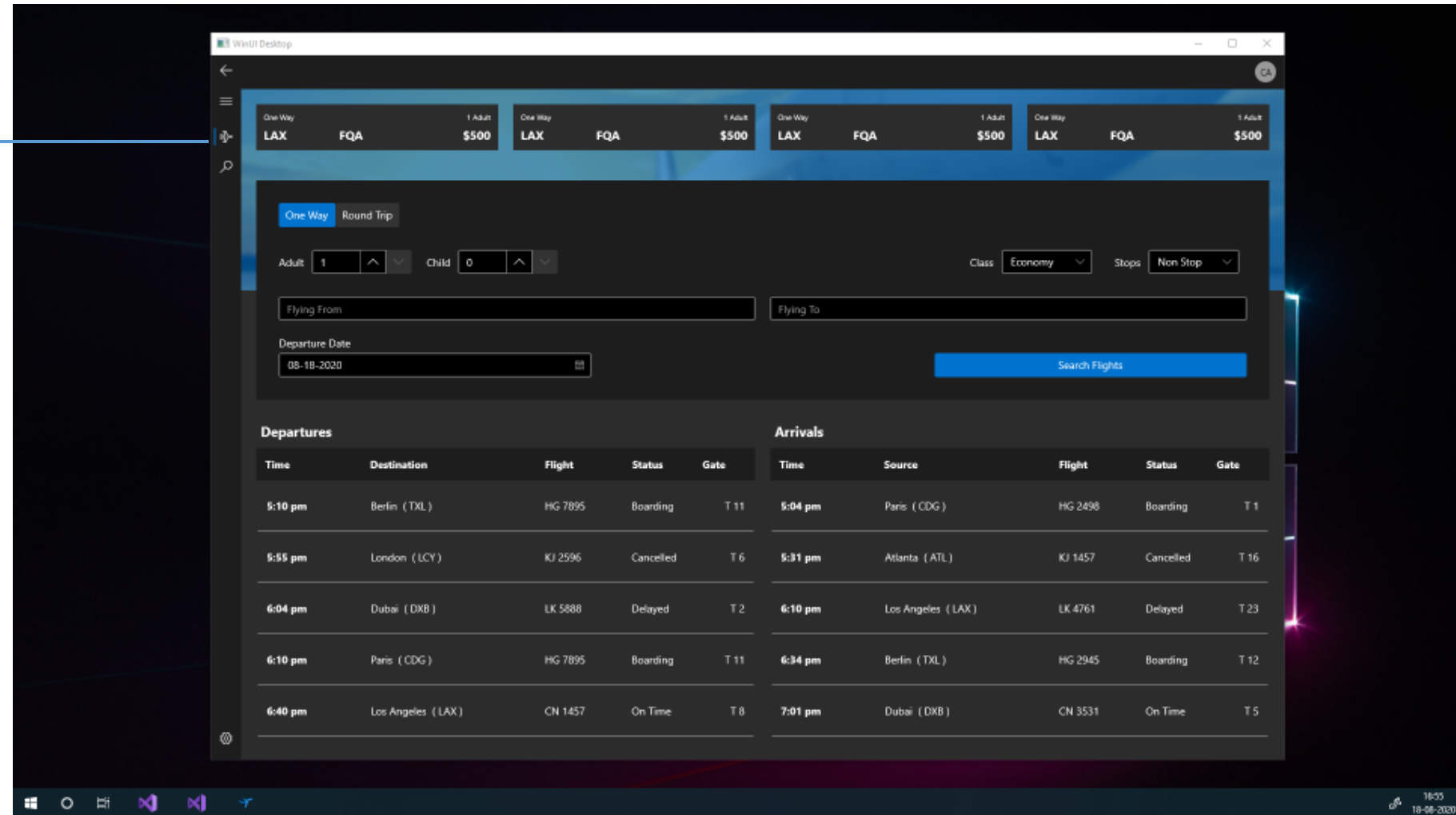
Home Page

Top right Person Picture control showing logged in user and clicking on the control gives user a Menu Flyout dropdown to Logout.



Home Page

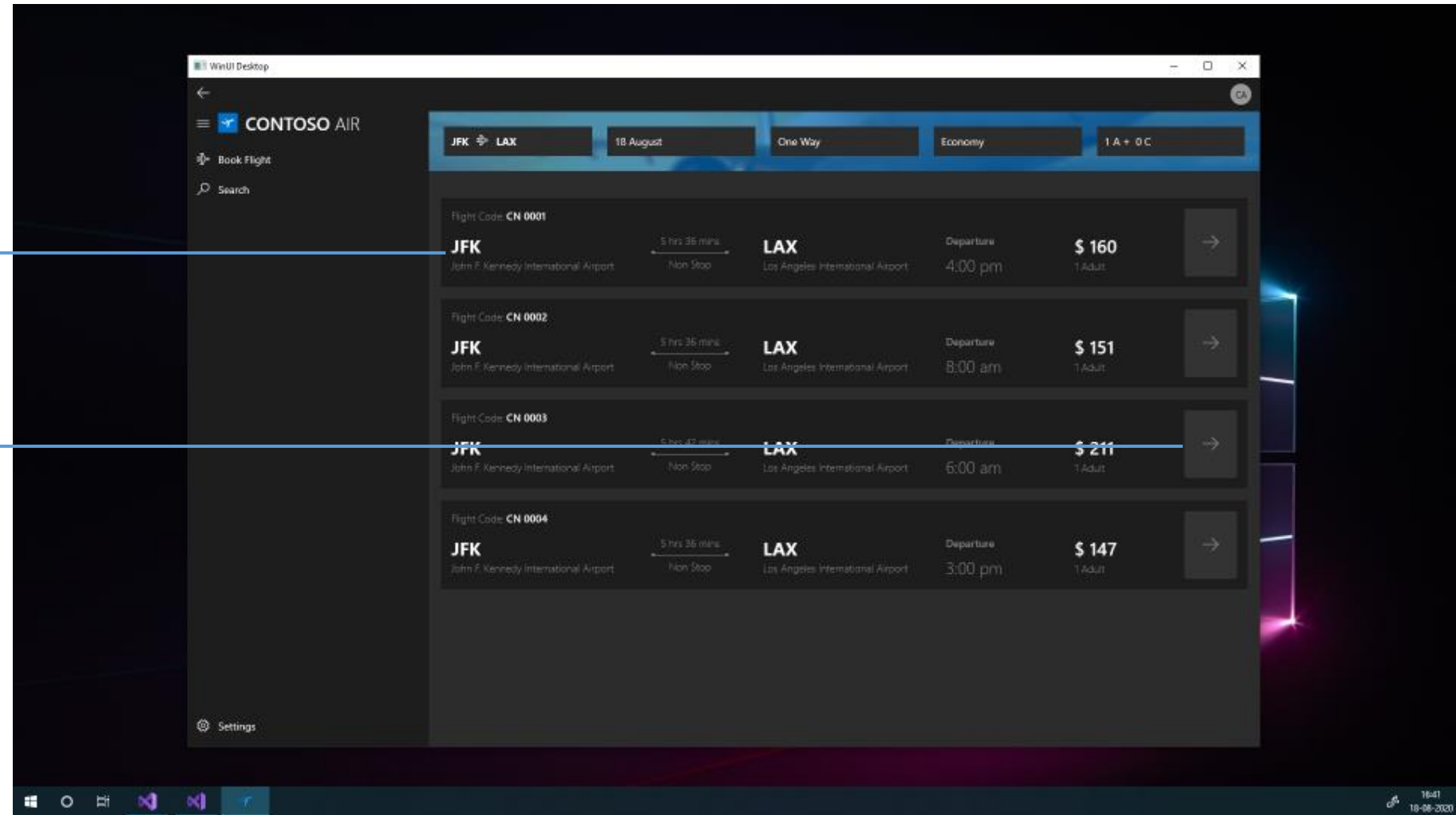
Collapsed Navigation View



Flight Search Page

List of flights with departure time, duration and price for single person.

Button for user to proceed with the Booking.



Passenger Details Page

Traveller Details form where user can enter details for the person who is flying.

*Shows multiple forms if more than one passenger is selected during search

Windows Desktop

CONTOSO AIR

Book Flight

Search

Settings

Traveller Details

Passenger 1

Title: Mr. Gender: ☐ Male ☐ Female ☐ Others Date of Birth:

First Name: Middle Name: Last Name:

Email Address: Mobile Number: Frequent Flyer:

☐ Receive alerts about this trip. Message and data rates may apply.

PROCEED TO PAYMENT

One Way Flight
1 Ticket(s), 1 Adult(s)

New York (JFK) City, NY Los Angeles, CA (LAX)

18 August 4:00 pm - 9:35 pm
5 hrs 35 mins

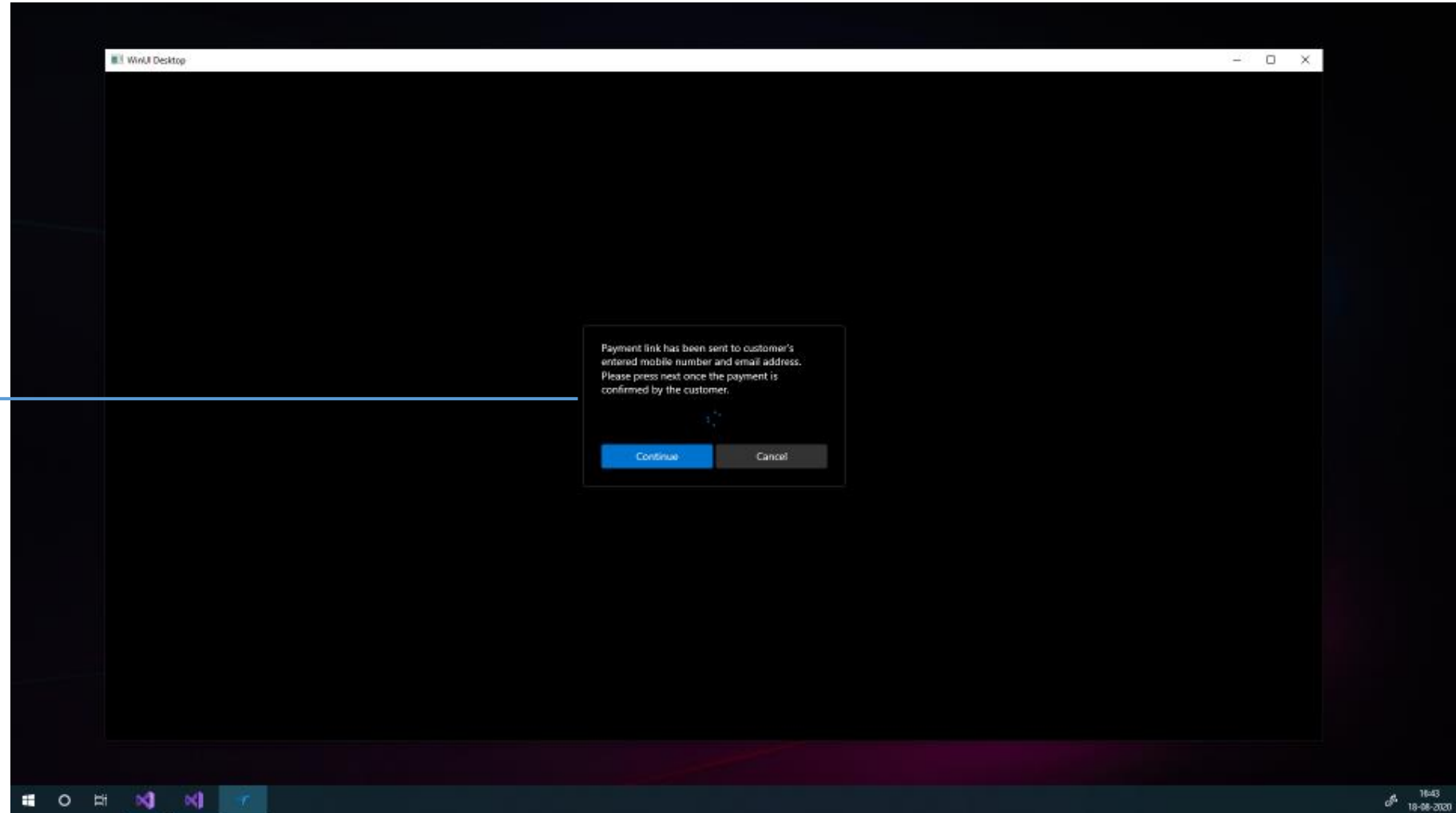
1 Adult(s)
0 Child(ren)

Total Amount: \$160

16:42
18-08-2020

Passenger Details Page

When user clicks on Proceed for payment, a Content Dialog control appears telling that payment link is sent to customer on their mobile phone and email address. Once the customer confirms the payment on their device, user then has to press on Continue.



Passenger Details Page

CONTOSO AIR

Book Flight
Search

Traveller Details

Passenger

Title: Gender: ☐ Male ☐ Female ☐ Others Date of Birth:

First Name: Middle Name: Last Name:

Email Address: Mobile Number: +1 (123) 456-7890 Frequent Flyer:

☐ Receive alerts about this trip. Message and data rates may apply.

SEAT SELECTION **PROCEED TO PAYMENT**

One Way Flight
1 Ticket(s), 1 Adult(s)

New York (JFK) City: NY Los Angeles, CA (LAX) \$1,400

1 Adult(s) 0 Child(ren) \$0

Total Amount: \$0

Settings

17:00 18-08-2020

Seat Selection functionality
updated

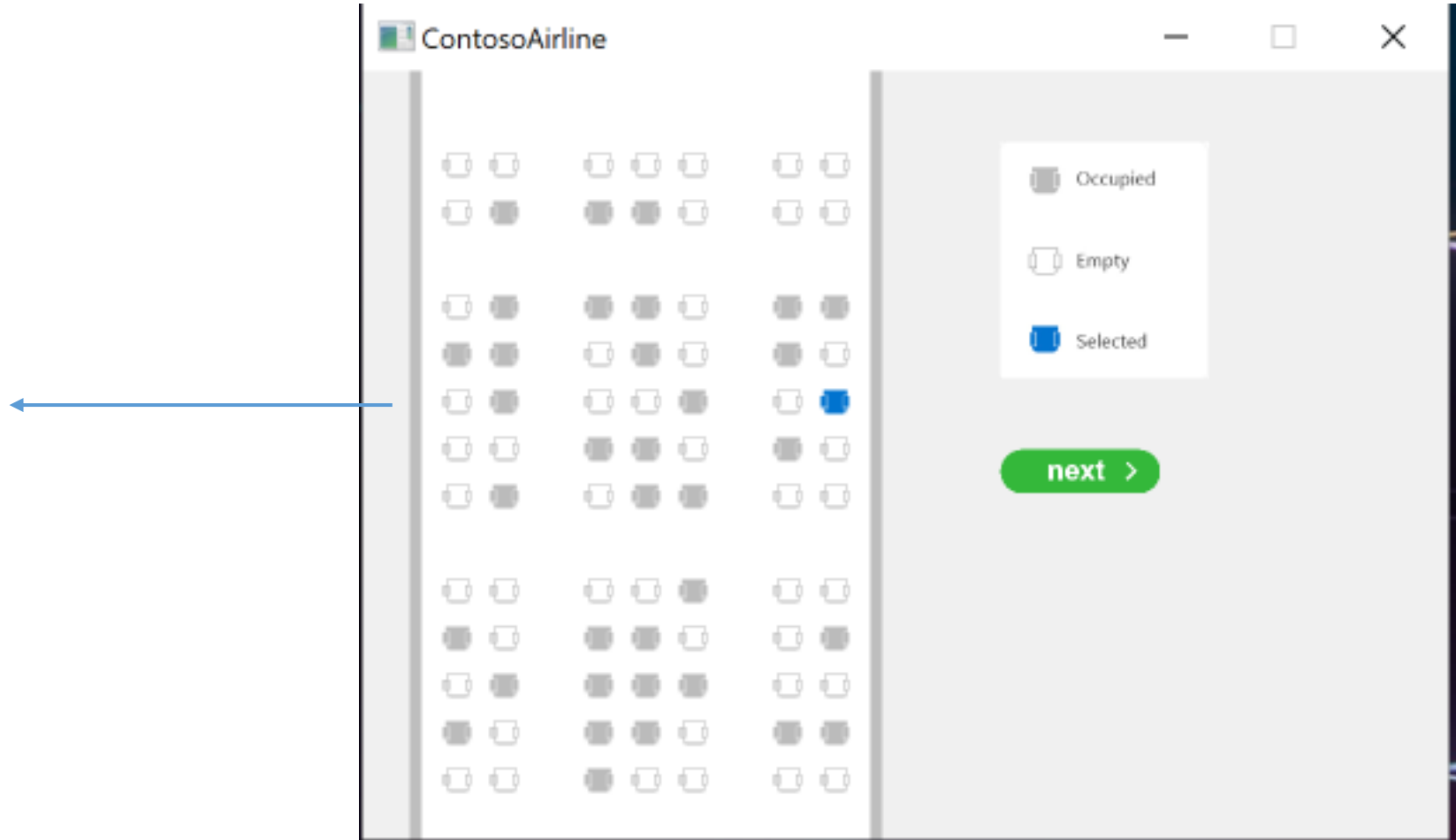
Passenger Details Page

The seat selection UI shown below is coded using Simple Direct Media Layer (SDL) C/C++ library which helps in rendering graphic using OpenGL and Direct3D. According to the demo, this piece of seat selection utility is already available with Contoso Airline company coded in C++ for Windows as traditional Desktop application. We converted the code into a DLL and invoking it using Code Reflection. This capability was not available in UWP hence we used a Win32 WinUI template to provide modern user interface to the Contoso Airline for their point of service without requiring re-code of their critical logic.

Another important aspect of this integration is the way how it is achieved as mentioned above.

Right now, we are dynamically loading DLL on the runtime and using reflection to load the library and invoke the code.

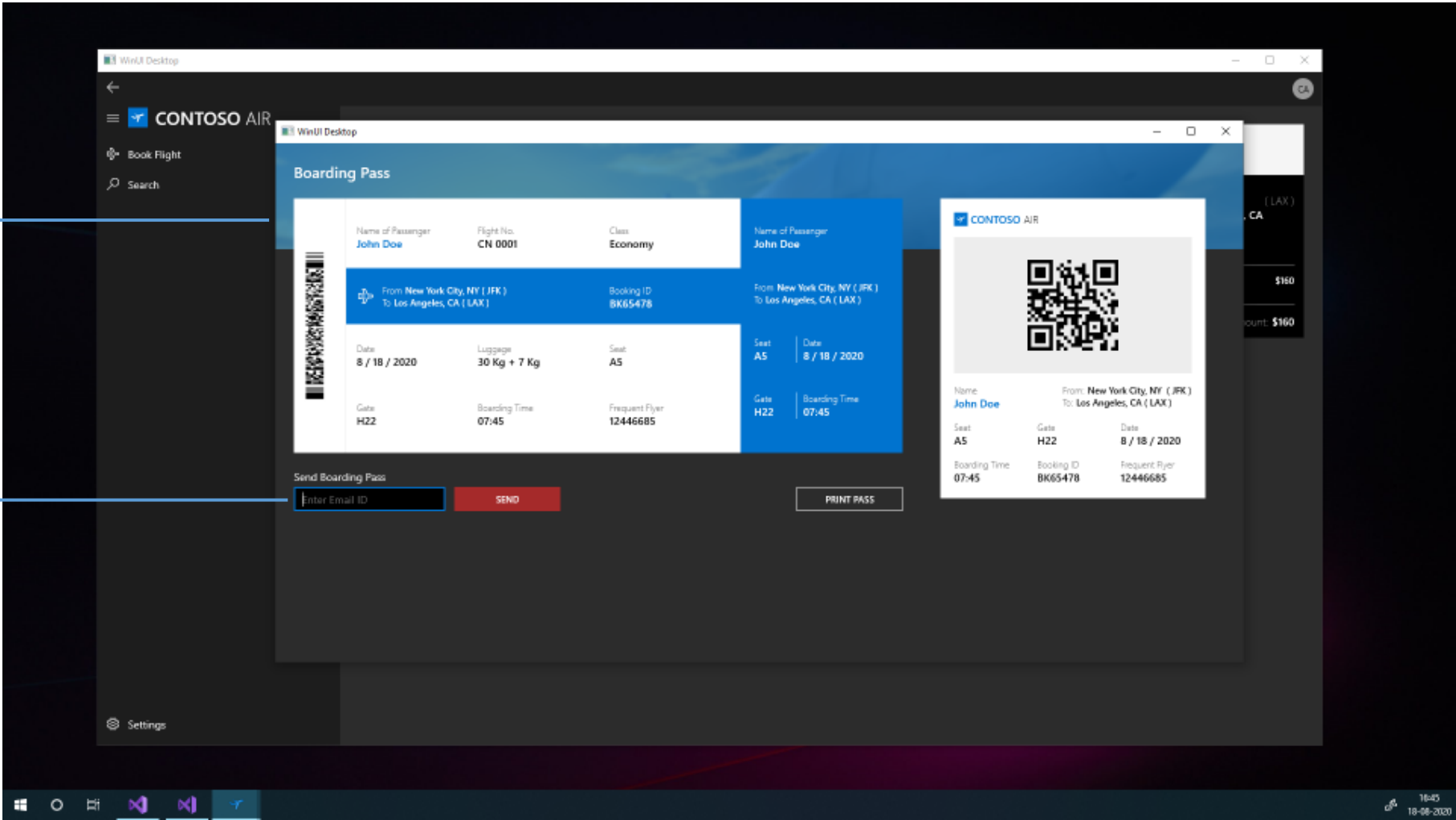
This will be a useful method if the developers want to invoke any pre-packaged Win32 code.



Boarding Pass Page

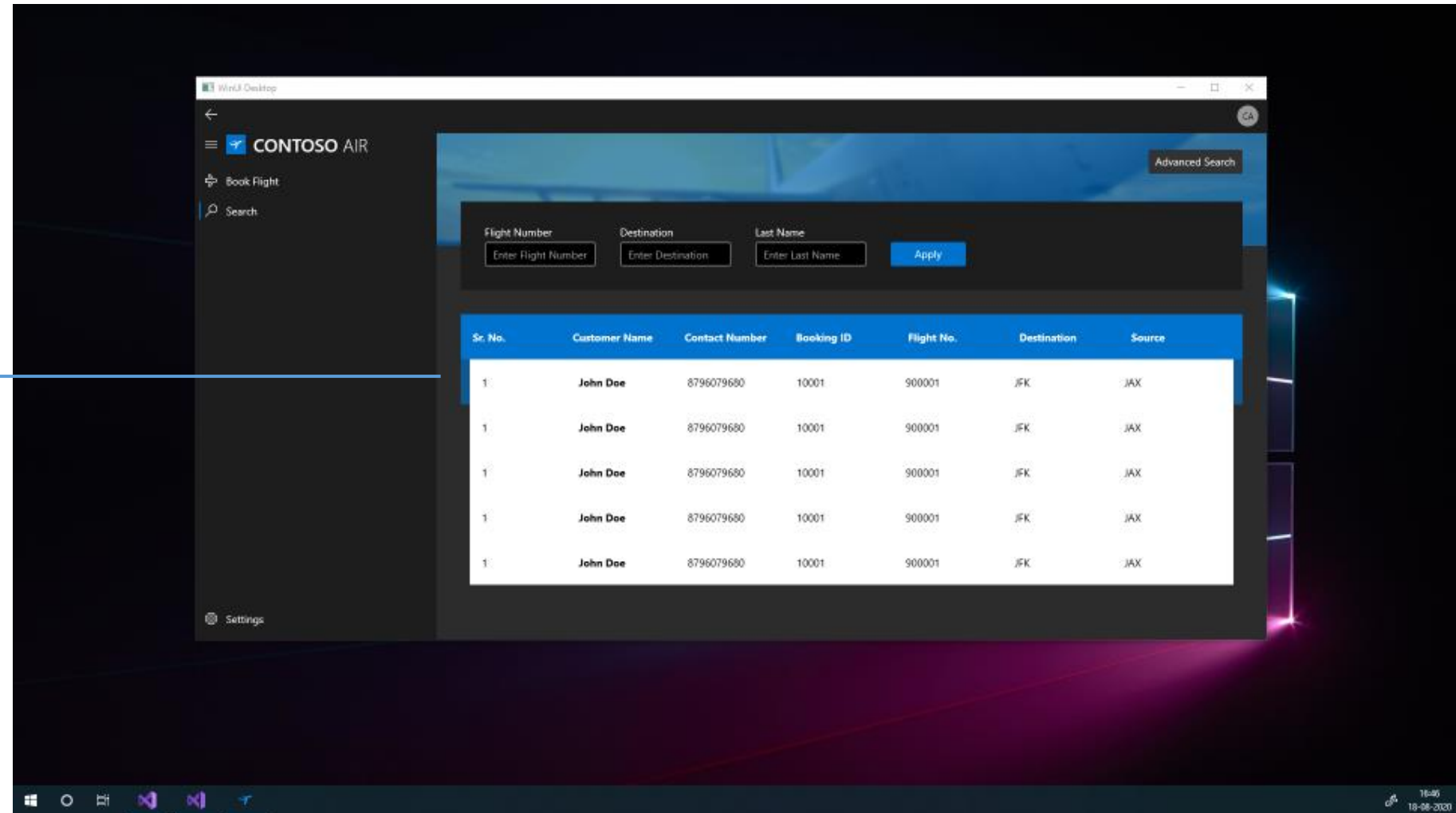
A static Boarding pass opens in new Window.

Text Box for user to enter customer's email ID for sharing boarding pass.



Search Booking Page

Search booking page is a static booking page which showcases a simple form at top to search booking and at bottom we see the list of relevant bookings

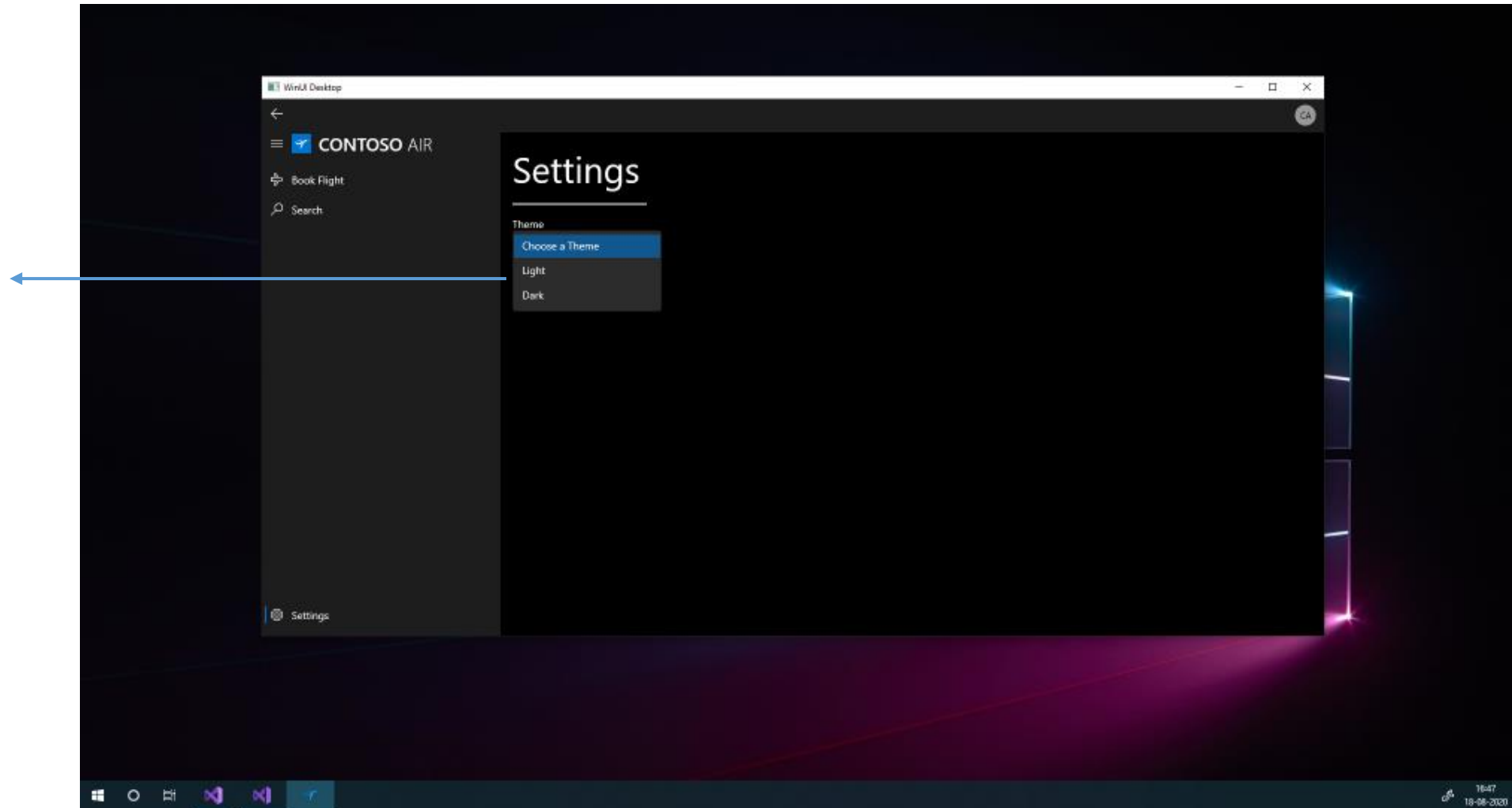


The screenshot displays a web application titled "CONTOSO AIR" with a sidebar containing "Book Flight" and "Search" options. The main content area features an "Advanced Search" form with three input fields: "Flight Number" (placeholder: Enter Flight Number), "Destination" (placeholder: Enter Destination), and "Last Name" (placeholder: Enter Last Name), followed by an "Apply" button. Below the form is a table listing search results. A blue arrow points from the text description to the search form.

Sr. No.	Customer Name	Contact Number	Booking ID	Flight No.	Destination	Source
1	John Doe	8796079680	10001	900001	JFK	JAX
1	John Doe	8796079680	10001	900001	JFK	JAX
1	John Doe	8796079680	10001	900001	JFK	JAX
1	John Doe	8796079680	10001	900001	JFK	JAX
1	John Doe	8796079680	10001	900001	JFK	JAX

Setting Page

Combo Box in the setting section for user to toggle between Dark and Light Mode of the App.



Setting Page

Representation of the application in the Light Mode.

