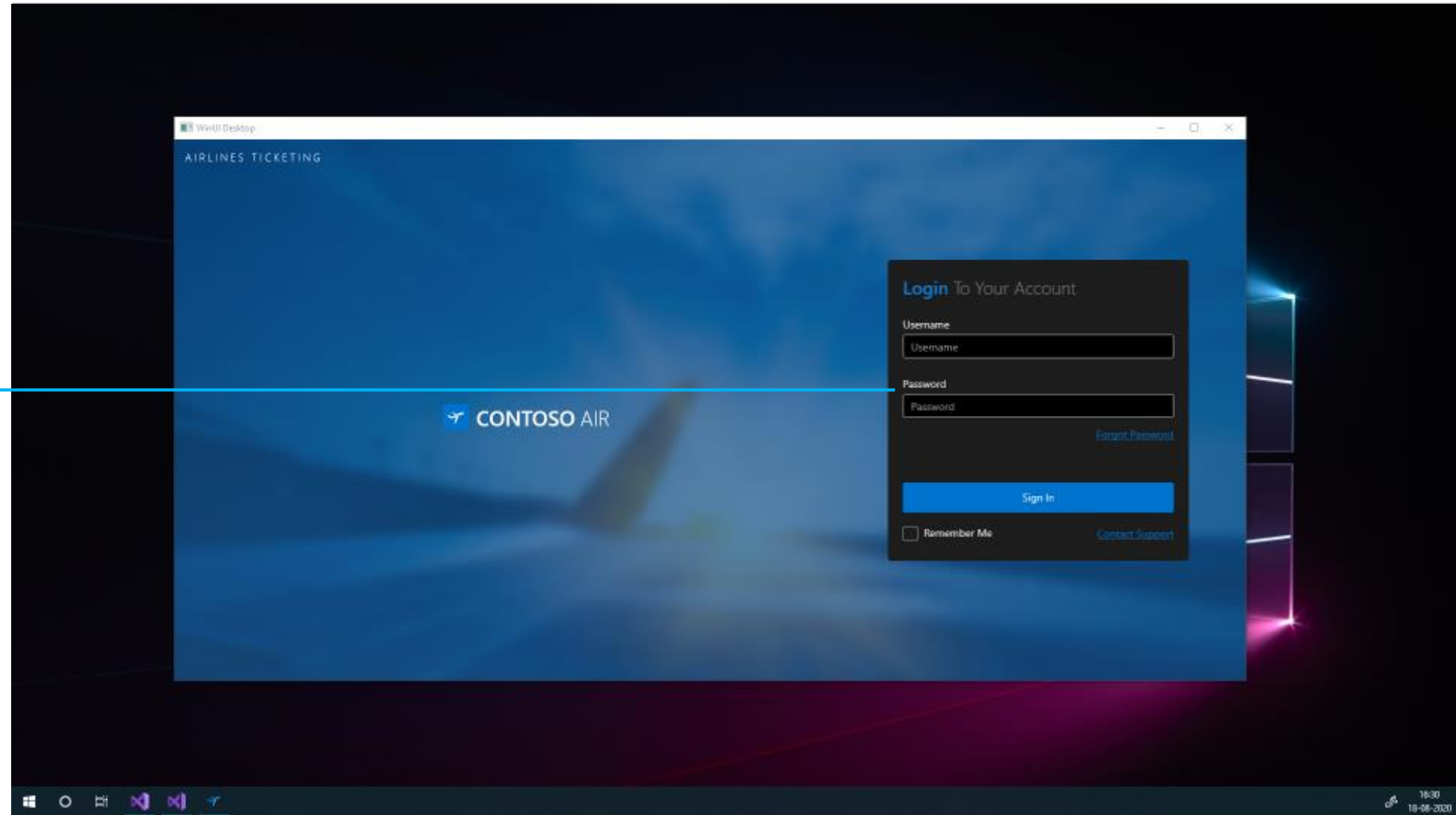# CONTOSO AIRLINES

Functionalities Description | August 18th 2020

Login Page

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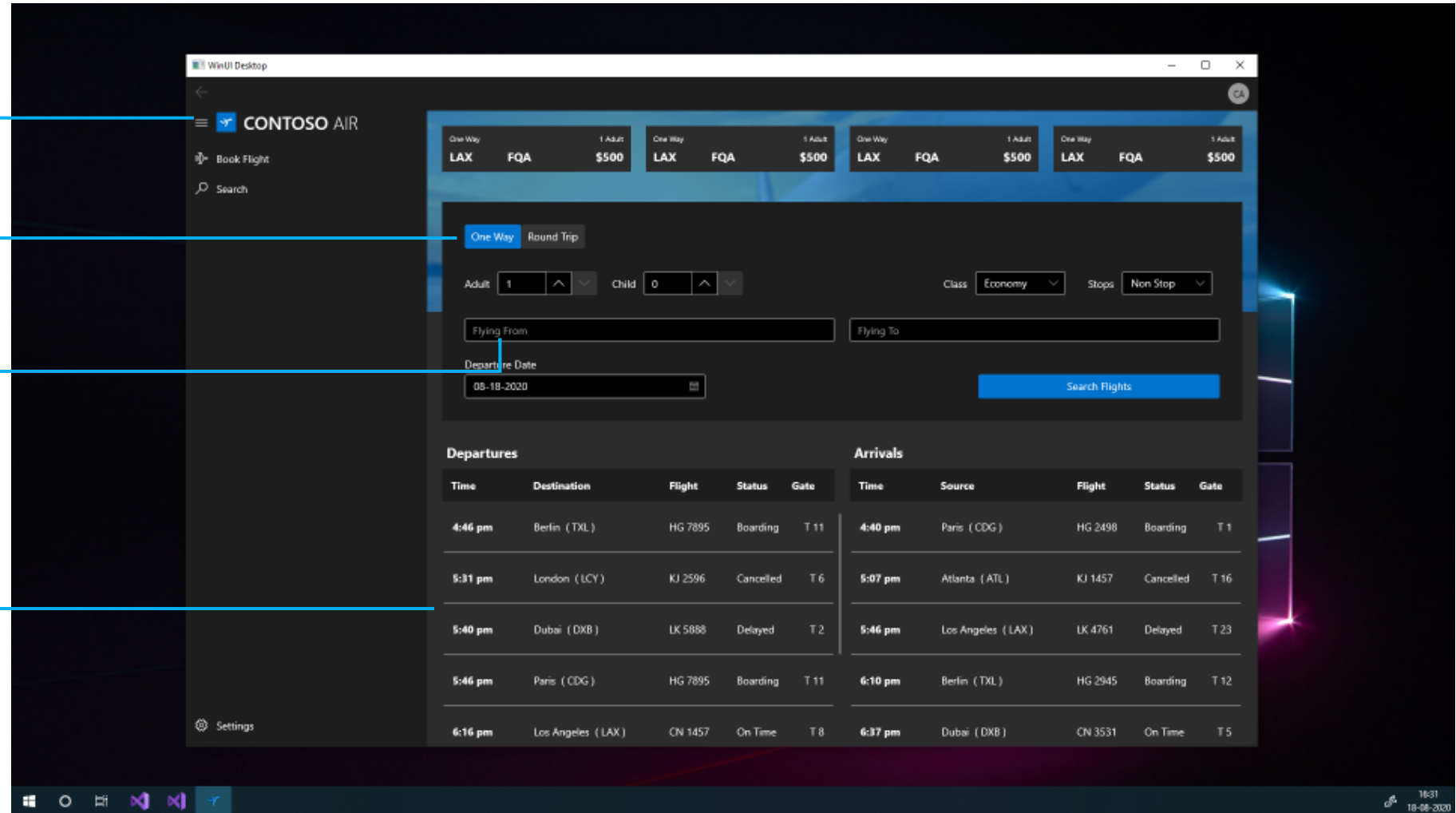
Home Page

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.
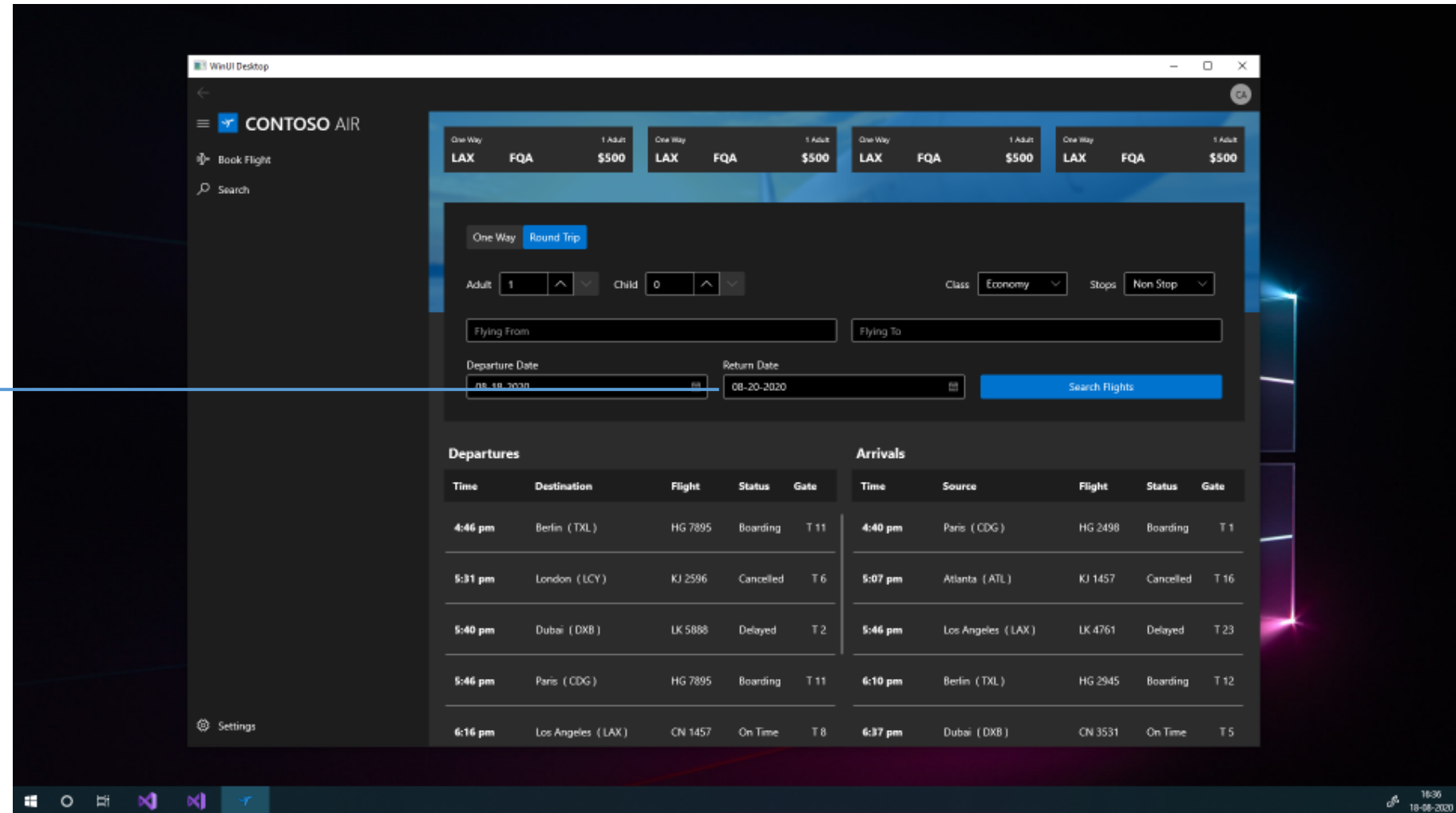*only New York supported as departure in Demo
*only one way flight supported for Demo
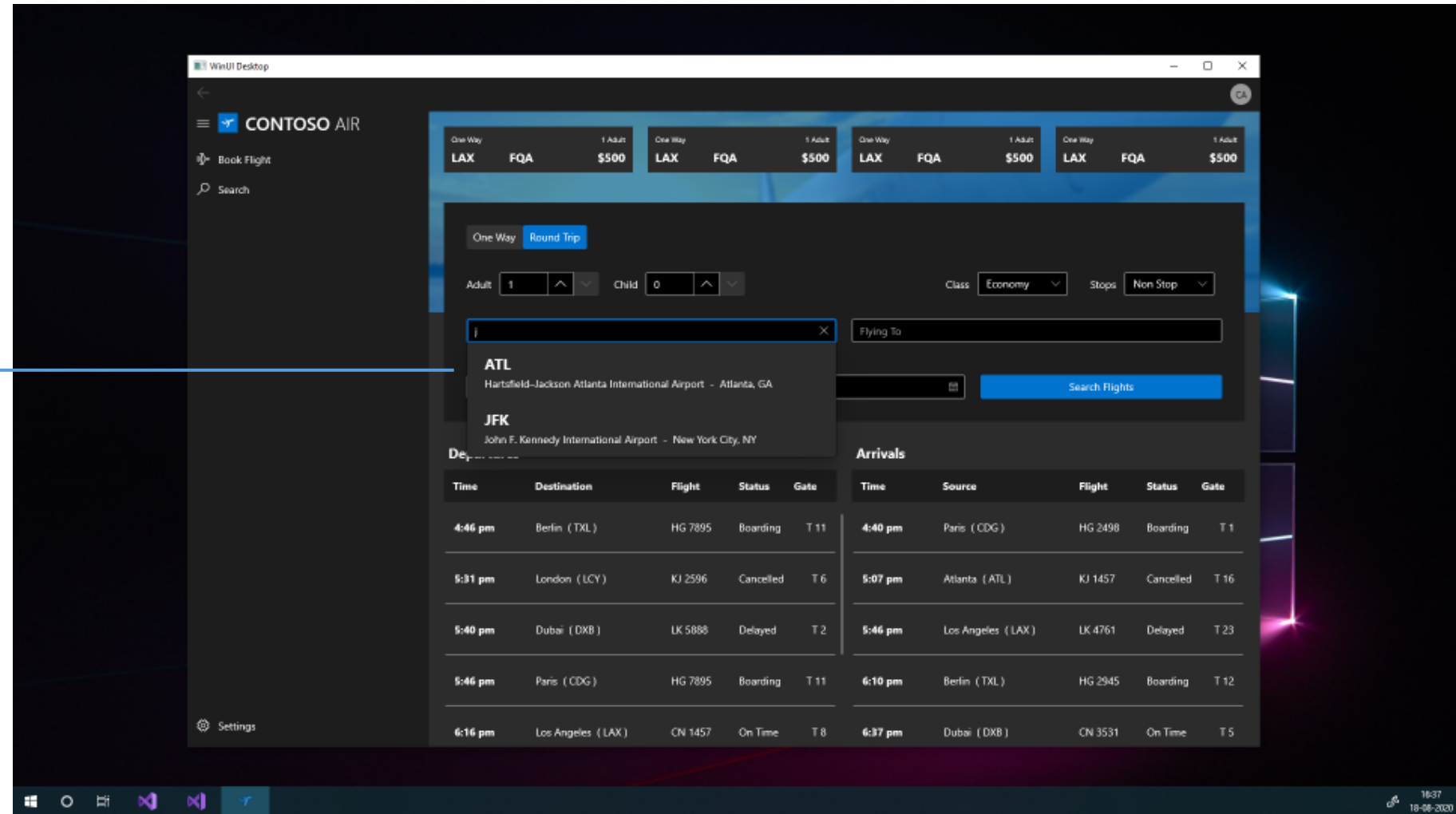
List View for arrivals and departures.

When Round Trip selected in toggle button return date picker appears

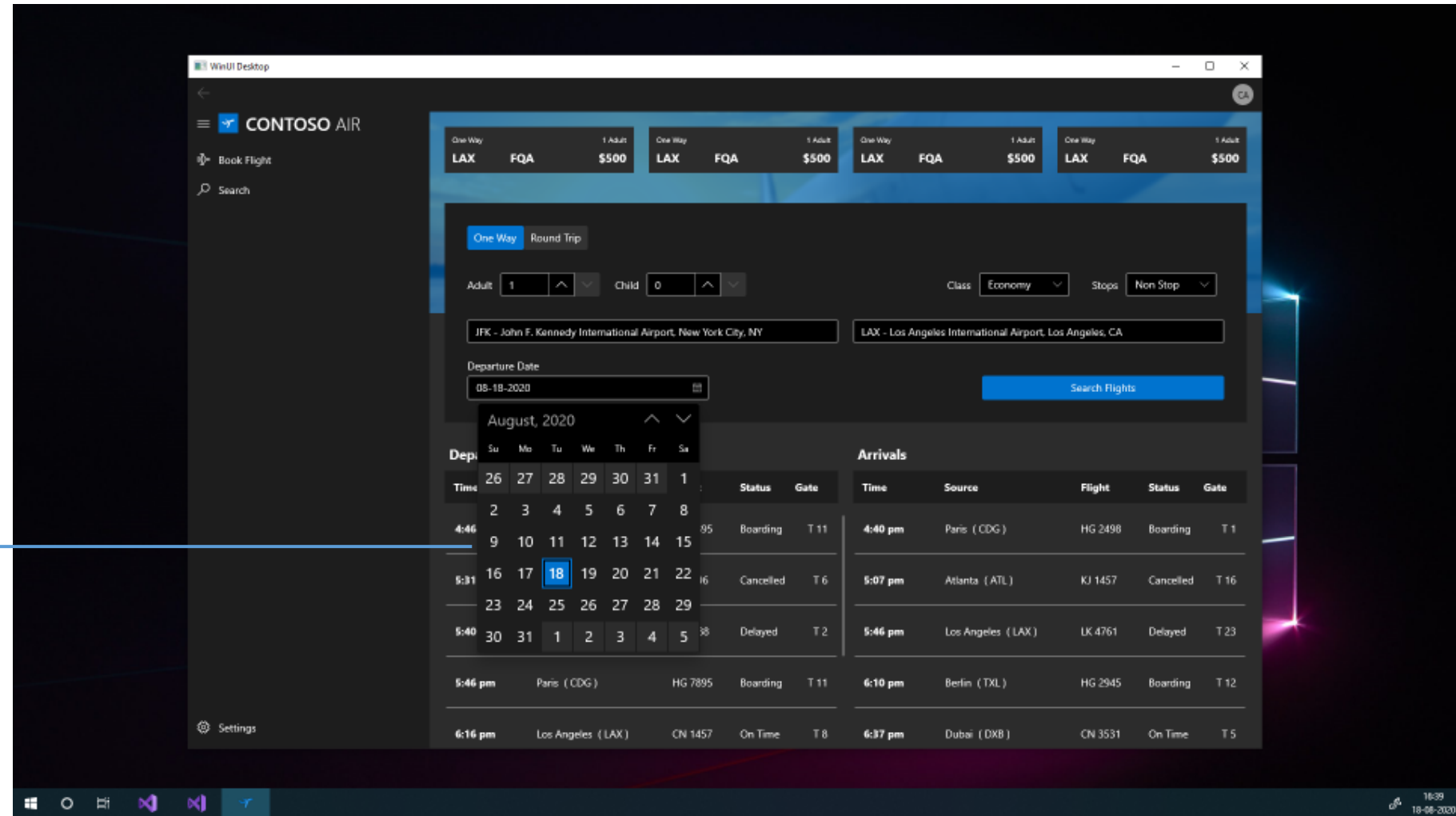Auto suggestion while user enters details to select location
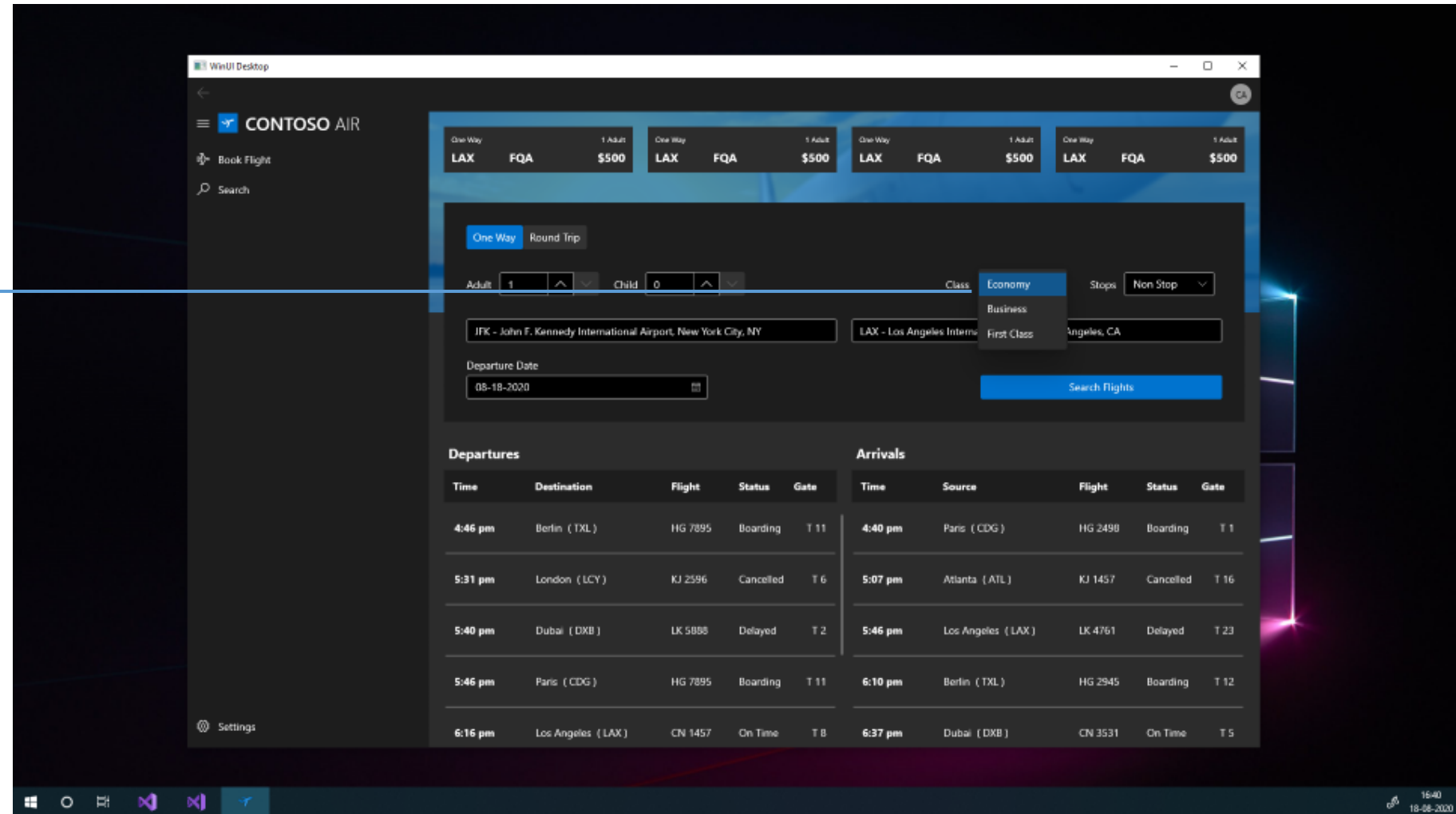
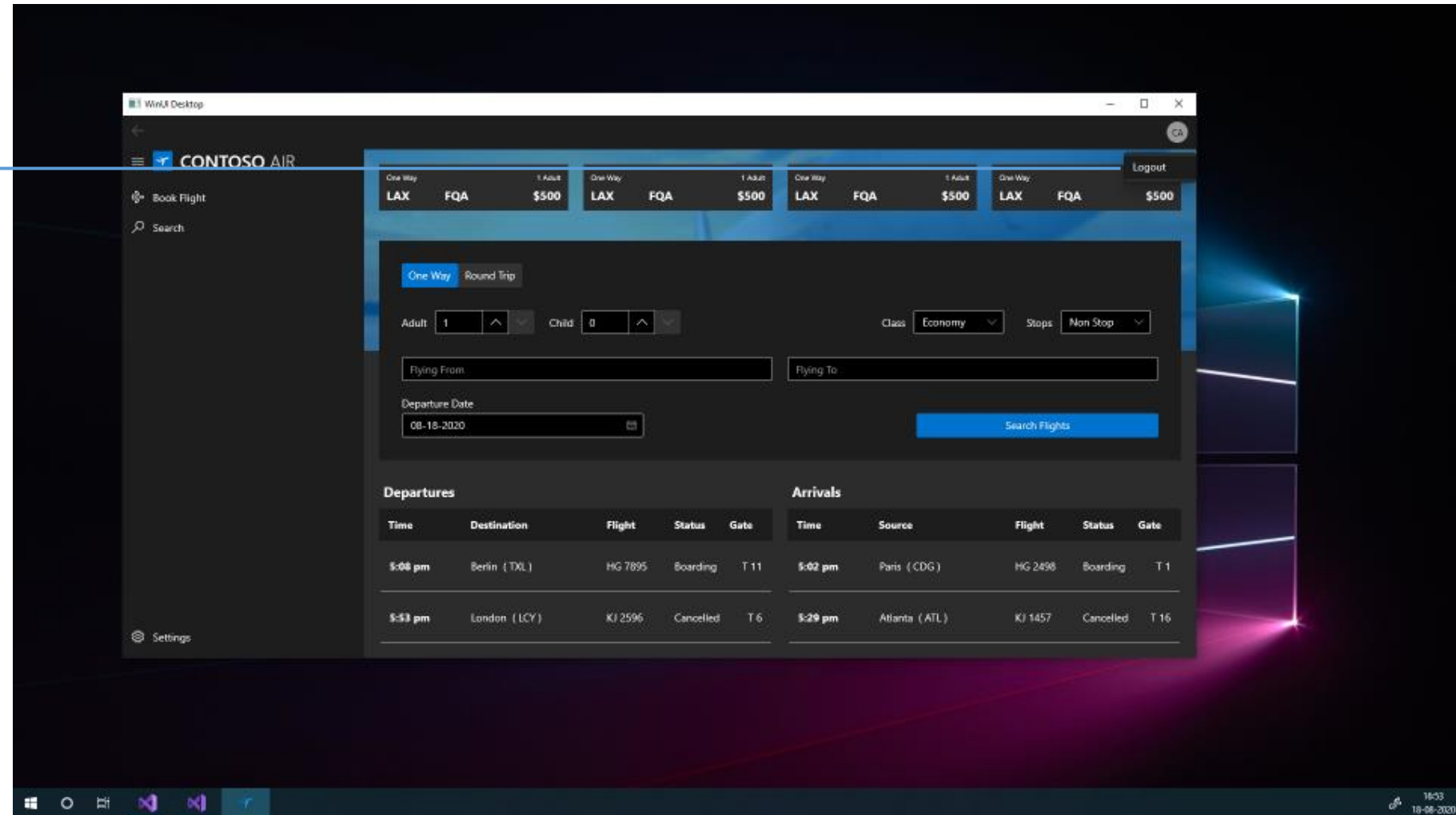Date Picker for enabling user to select dates

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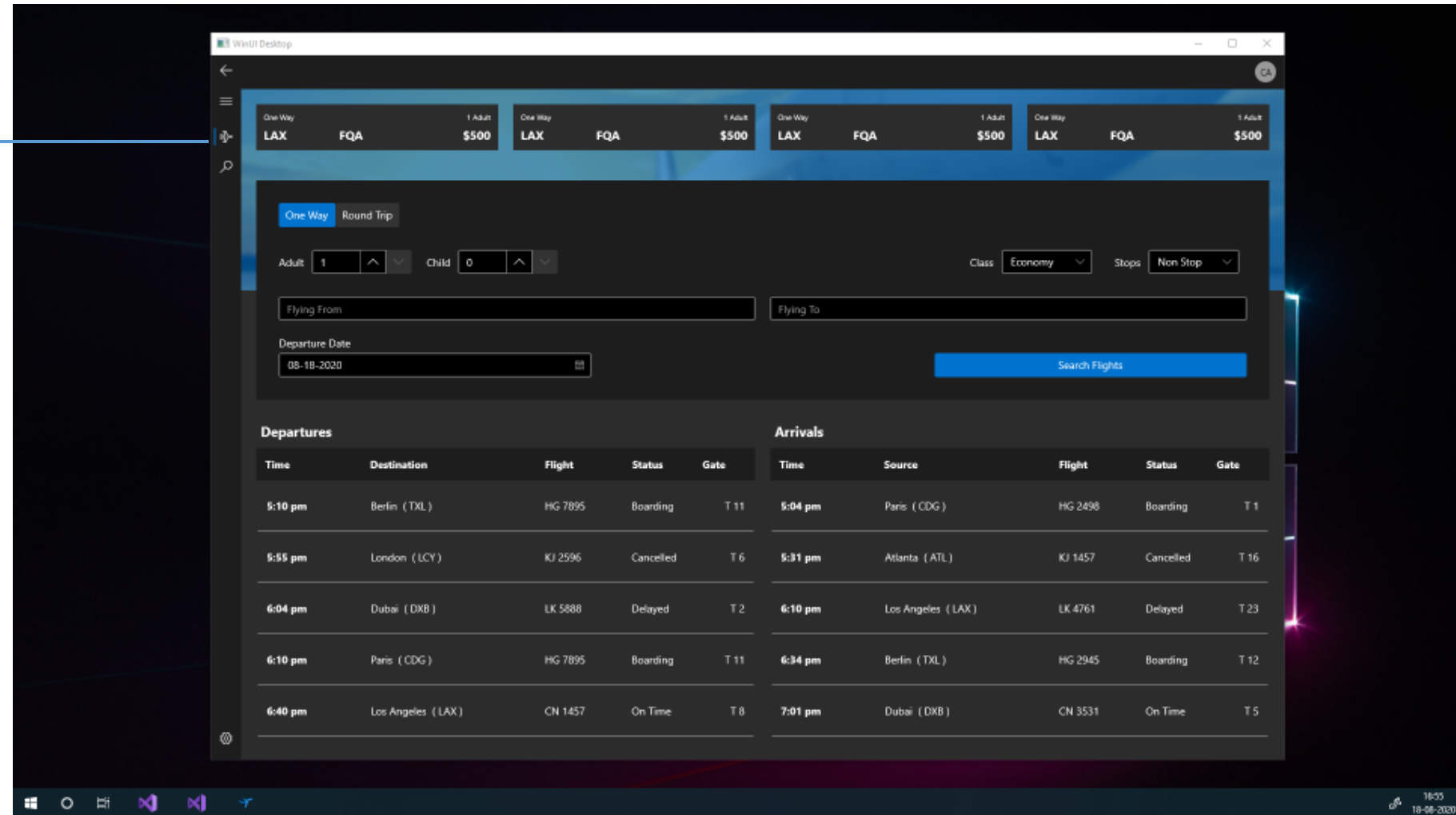
Home Page

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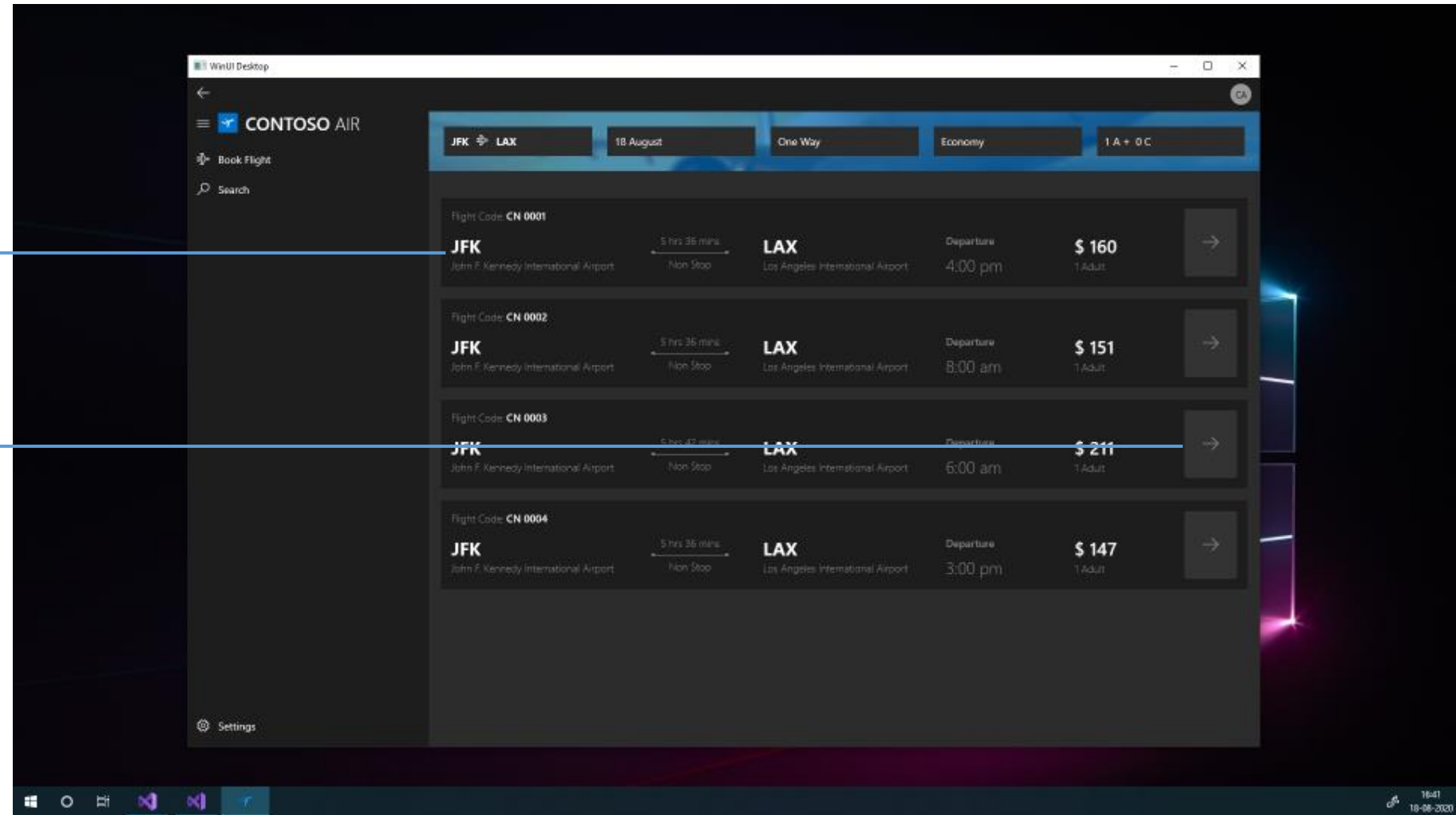
Home Page

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

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.
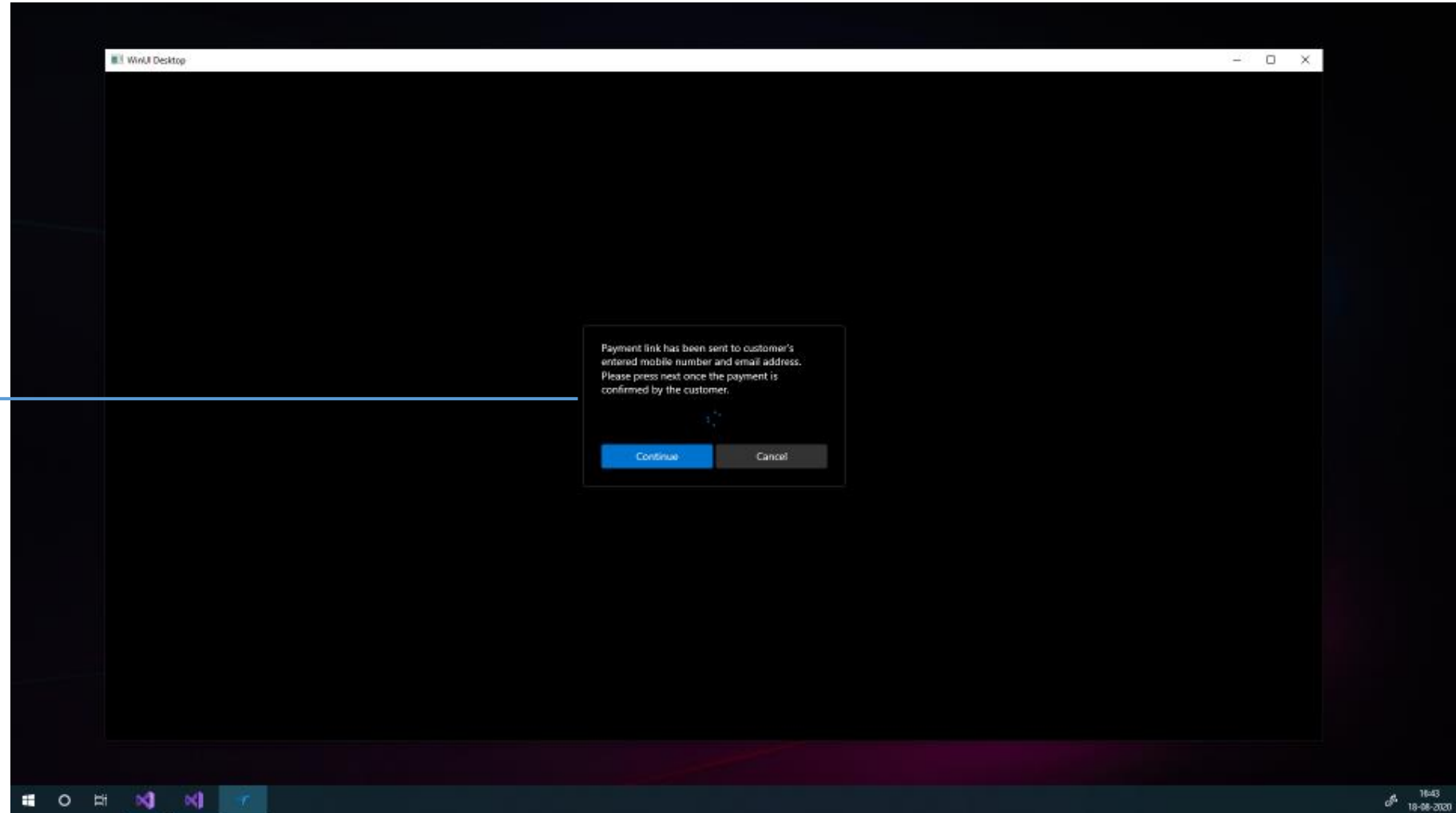
Passenger Details Page


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
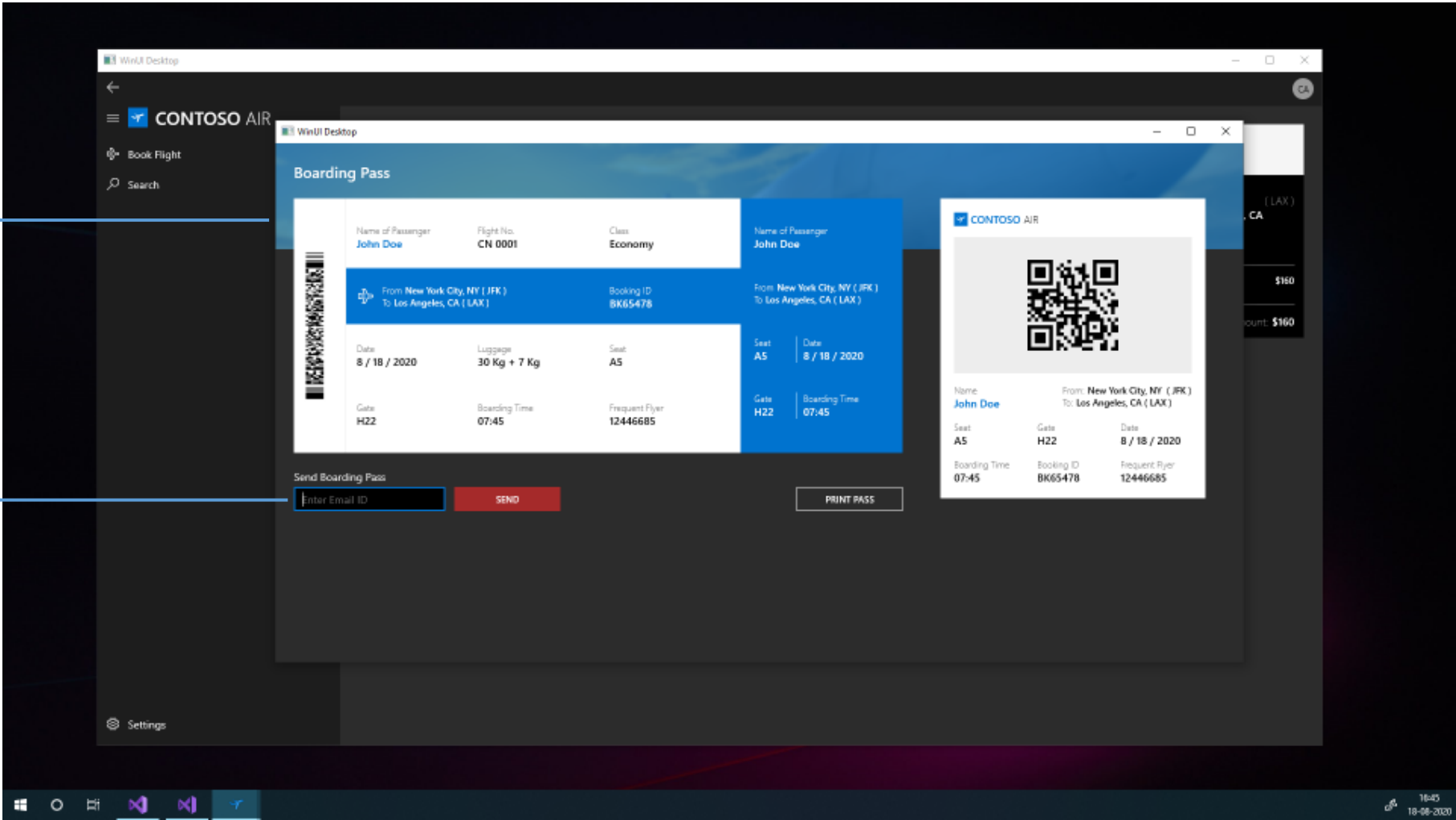reflection to load the library and
invoke the code.

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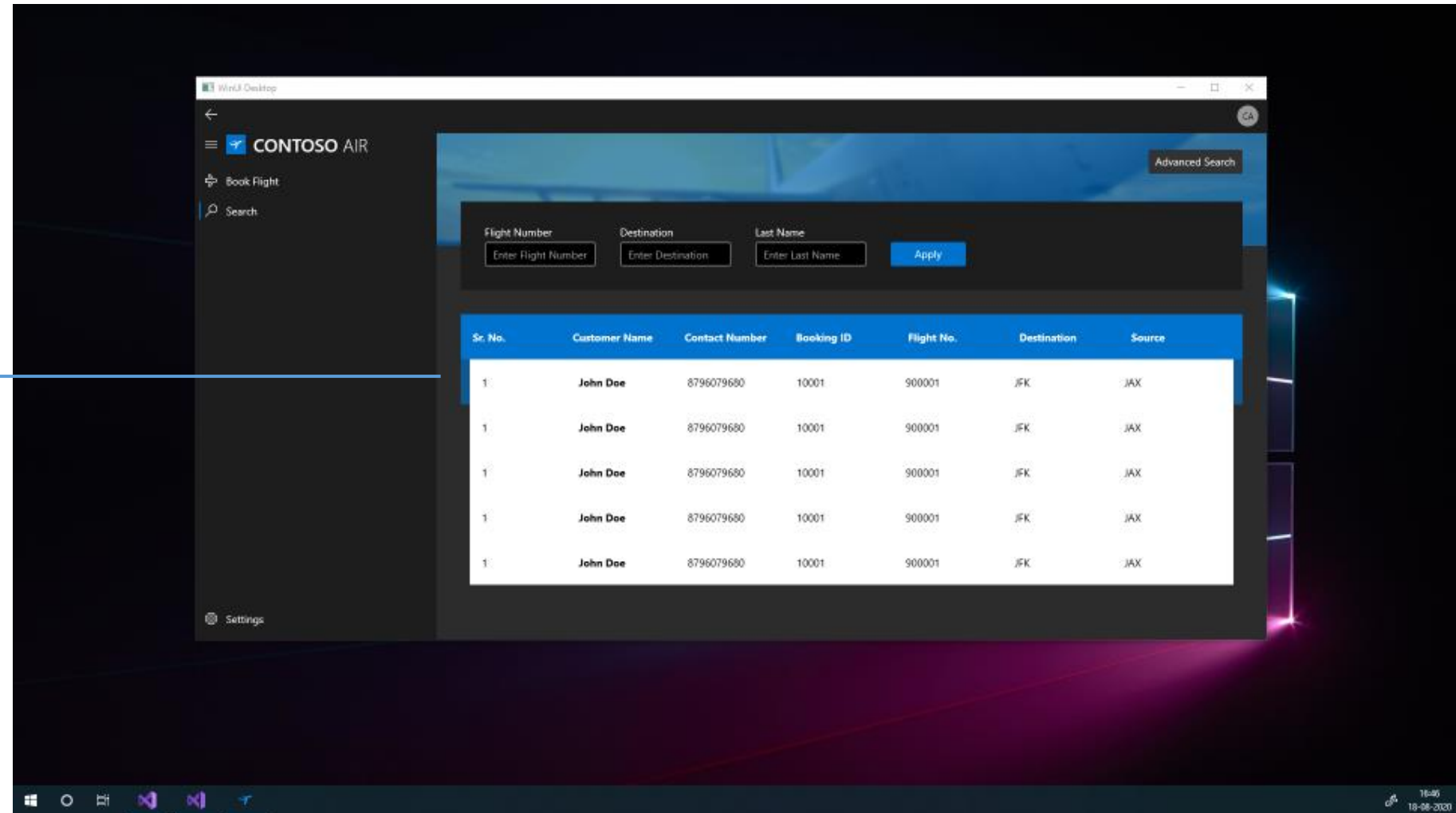pre-packaged Win32 code.
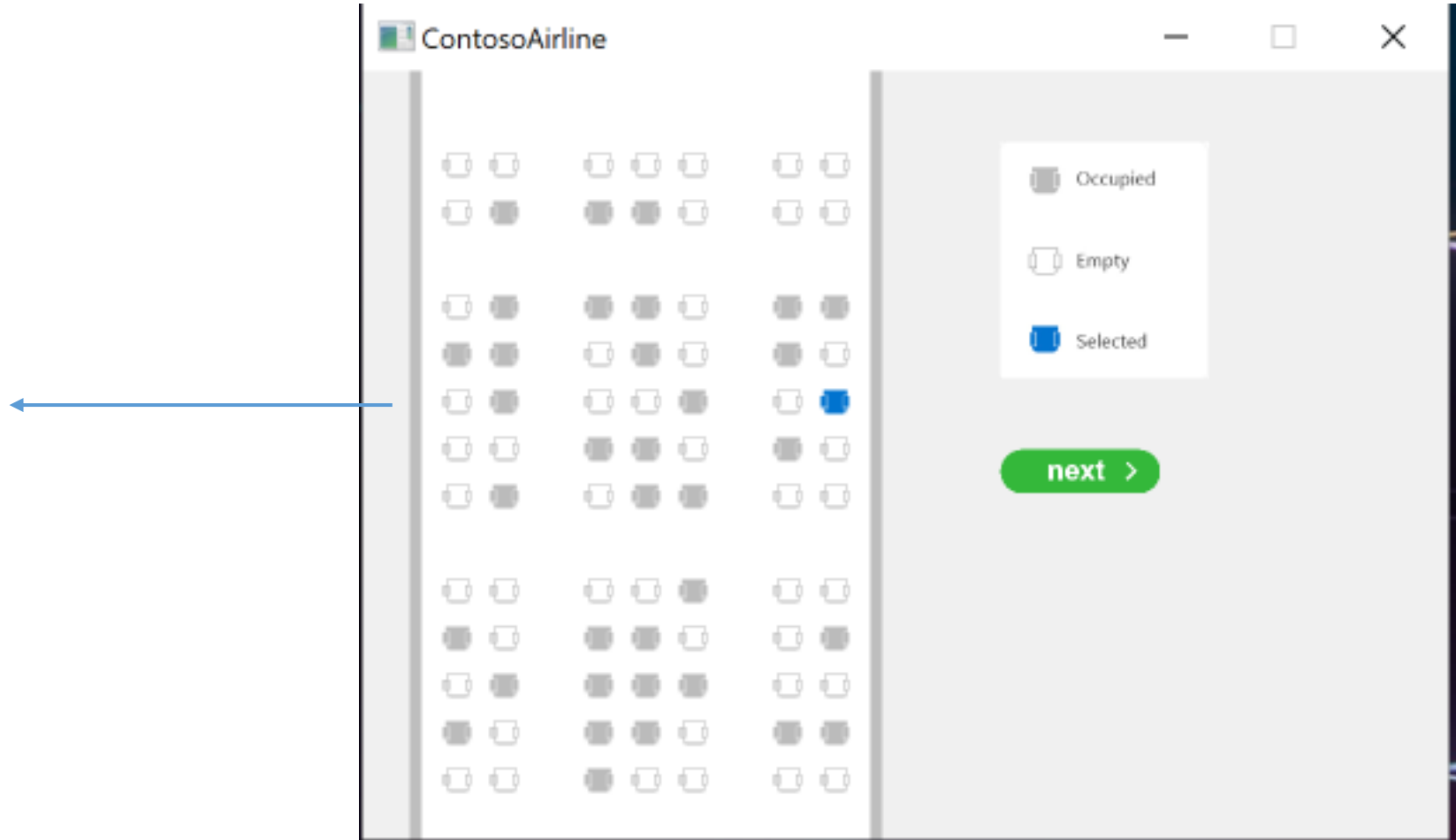
Boarding Pass Page

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
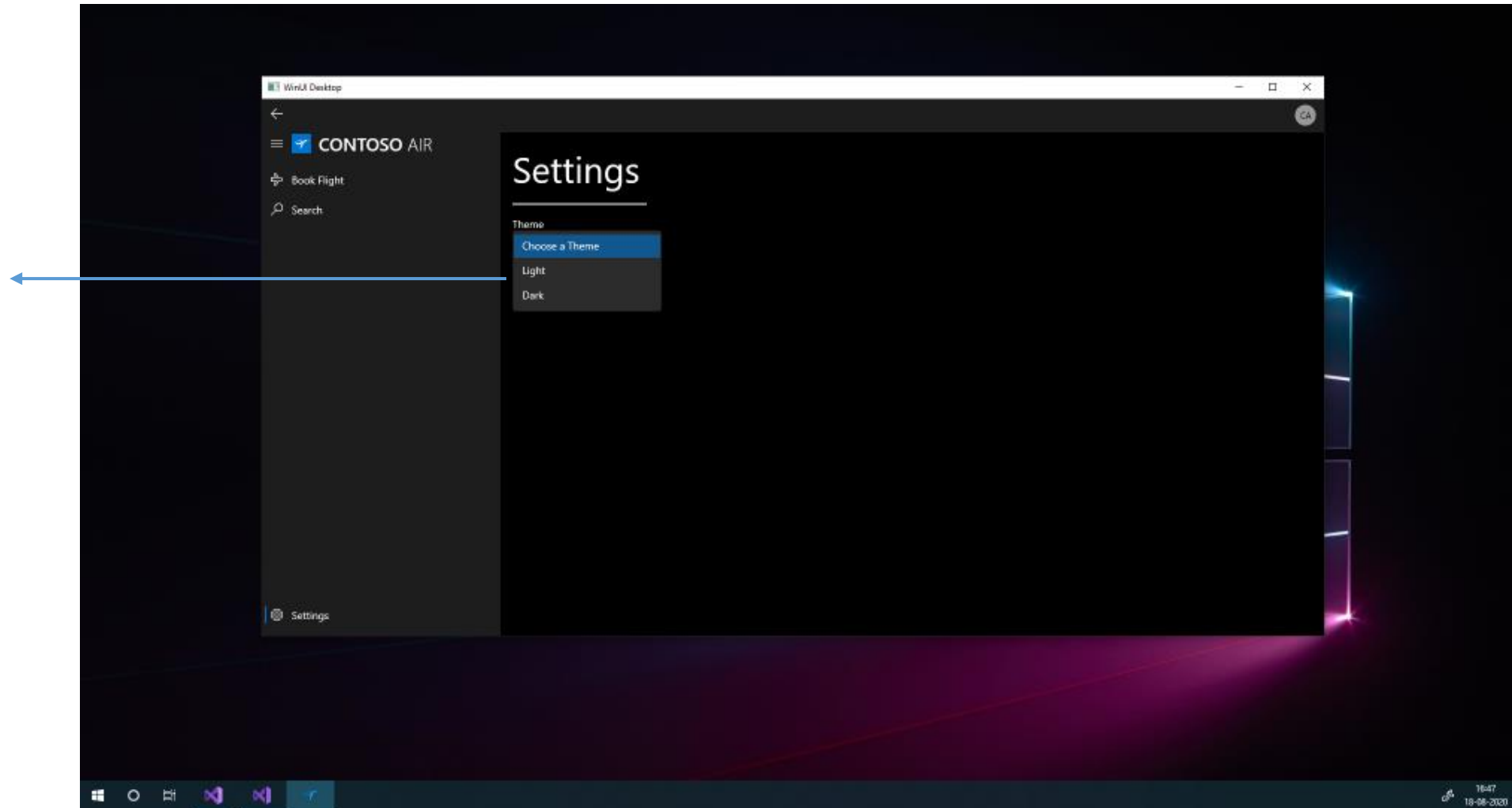
Setting Page

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.