

## ShuttleFare Desktop Client

The client (www.shuttlefare.com) wanted to develop a Desktop client for shuttlefare.com. By this desktop client can be create reservation, update information and also can be delete reservation. This desktop client can be only accessible by admin.

For this application we have choose Java Web Start technology. There is more than one reason to choose this JavaWS technology for Desktop client. By this javaWS we can run our java application over internet on client machine without copy jar or other dependencies. We don't need to create any installation or deplorer on client machine.

We are using two APIs. First is Shuttlefare API. By this API we can done all basic things like create reservation, update and delete reservation, call the list of reservation charges and more thing that basic need of this application, another API is flightstats.com's API. In this application we are giving check the live flight status for particular Airport or particular Airline so we are using flightstats.com's API for check live flight's status.

### Main Modules

- Create Reservation
- Lookup Reservation
- Cancel Reservation
- Update Reservation
- Customer Lookup
- Live Flight Status

### Technologies:

Java Web Start, Swing (Layout), Netbeans IDE 8.9, JSON, JWS Client

### Database:

No database.

## Snapshots of 'ShuttleFare Desktop Client'

### ☑ Reservation Create Window.

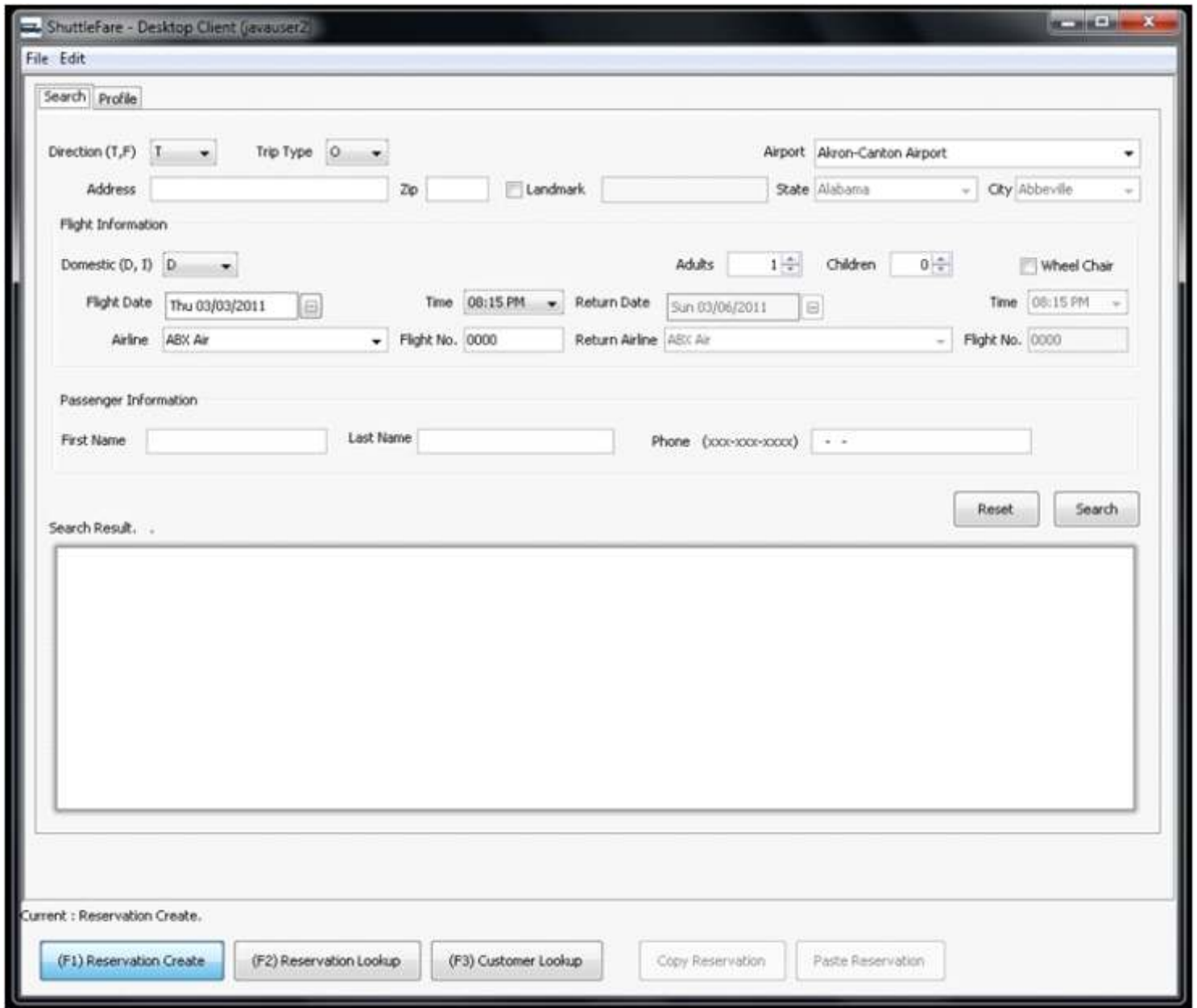


Fig. Reservation Create Search Tab

### ☑ Description:

It is a search tab, in reservation create part. We can search fare for shuttlefare service here. We just have to enter location, airport and airline and we can see how many services available for provided location from Shuttlefare.

## ☑ Reservation Create Profile Tab

After the select suitable fare service u need to provide basic information about you and you can reserve this service provided time.

We have done two way for payment. First by credit card and second by bill no. that you can get from [www.shuttlefare.com](http://www.shuttlefare.com)

As we can see in below image,

The screenshot shows a desktop application window titled "ShuttleFare - Desktop Client (javauser2)". The interface includes a menu bar with "File" and "Edit", and a toolbar with "Search" and "Profile" buttons. The main content area is divided into several sections:

- Itinerary:** Includes fields for "Airport" (New York John F. Kennedy Int'l Airport), "Passengers" (1 Adults, 0 Children), "Pickup Date/Time", and "Return Pickup Date/Time". It also shows a summary of costs: Service Fee: \$0.00, Total: \$0.00, and Grand Total: \$0.00.
- Passenger Information:** Fields for "First Name", "Last Name", "Phone (xxx-xxx-xxxx)", and "Email".
- Flight Information:** Fields for "Airline" (ABX Air), "Flight No." (0000), "Return Airline" (ABX Air), "Return Flight No." (0000), and "Luggage" (0).
- Payment Information:** Fields for "Cardholders" (with a "Copy Name from above" checkbox), "Card Number", "Exp (mm/yy)", "Secure Code", and "Phone" (City Explorer TV). There is also a checkbox for "Bill Account Number".
- Confirmation Details:** A section for "Confirmation Number", "Last Name", "Total", "Customer's Phone", and "Company's Phone". A "Reserve" button is located to the right of this section.

At the bottom of the window, there is a status bar showing "Current : Reservation Create." and a row of buttons: "(F1) Reservation Create", "(F2) Reservation Lookup", "(F3) Customer Lookup", "Copy Reservation", and "Paste Reservation".

Fig. Reservation Create Profile Tab

## ☑ Reservation lookup window

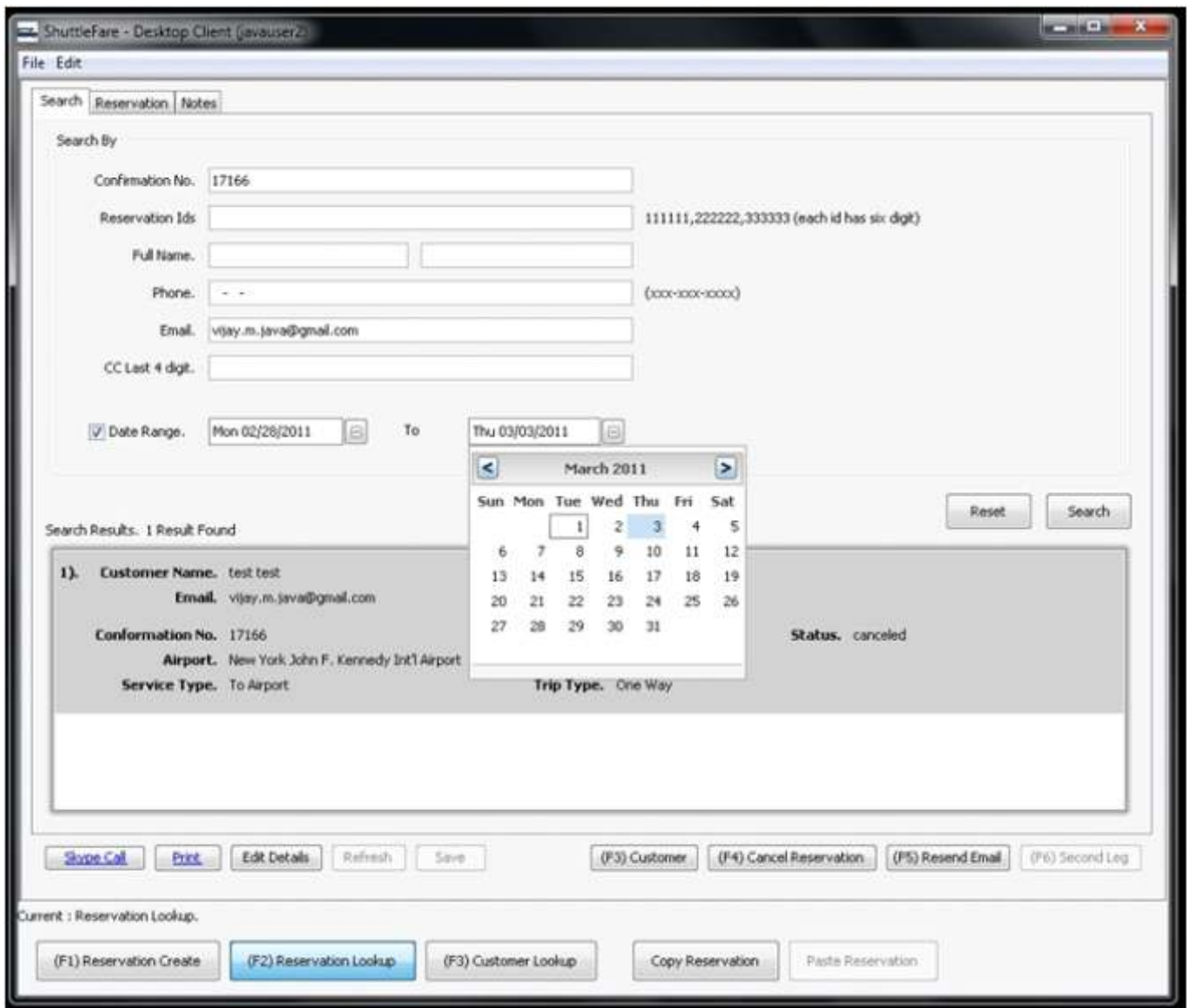


Fig. Reservation Lookup Search Tab

## ☑ Description:

Here we can search our reservation. We can search by many way like, Confirmation no., Reservation Id (after complete reservation you will get Email and all basic things will be in Email), First and Last Name, Phone, Email, Credit cards last 4 digit.

This tab(Reservation) in Reservation Lookup for update Reservation, Cancel Reservation and Resend Email of your Reservation.

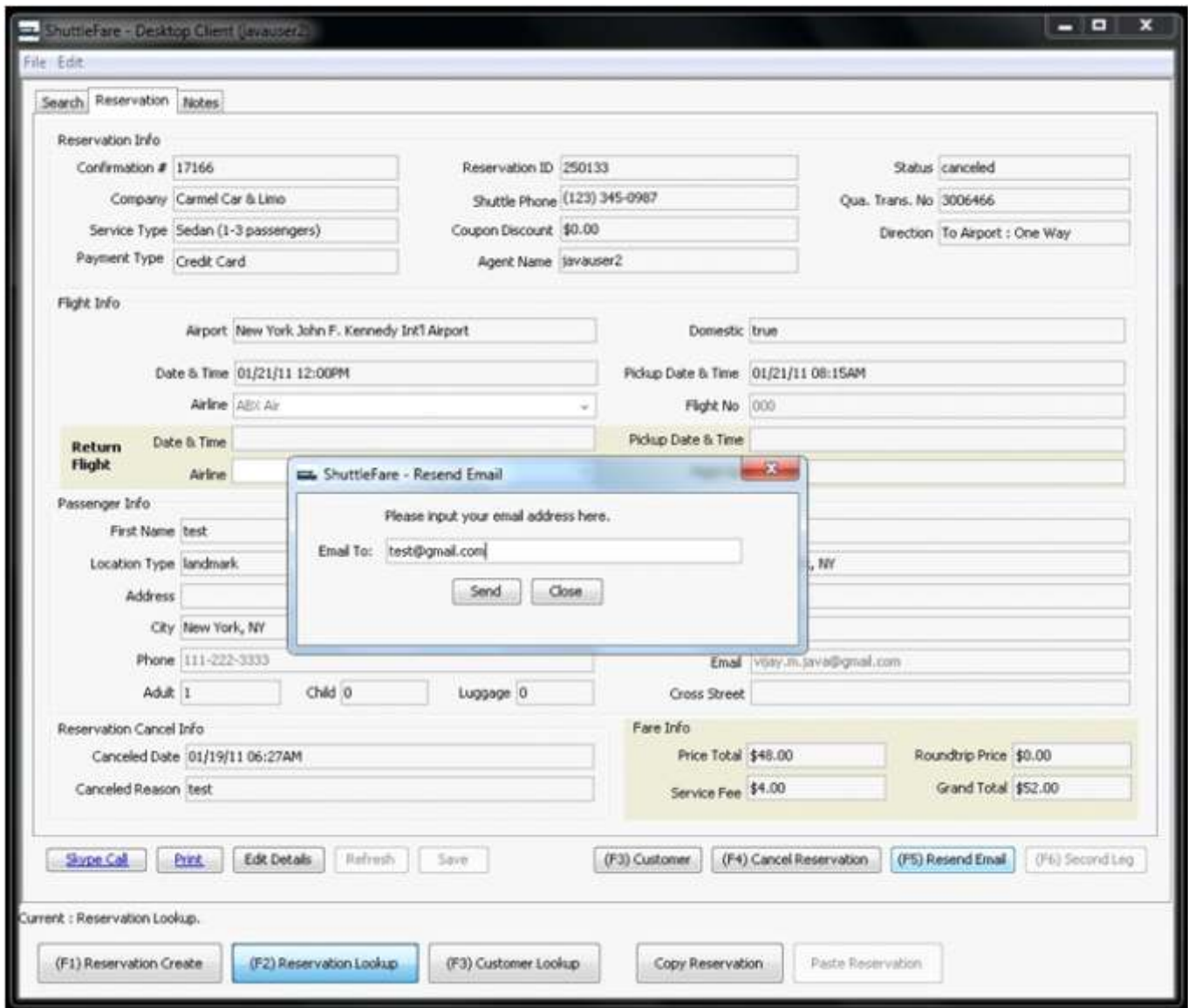


Fig. Reservation Lookup Reservation Tab

This is a Notes Tab in reservation Lookup. By this we can create notes and also we can see last added note.

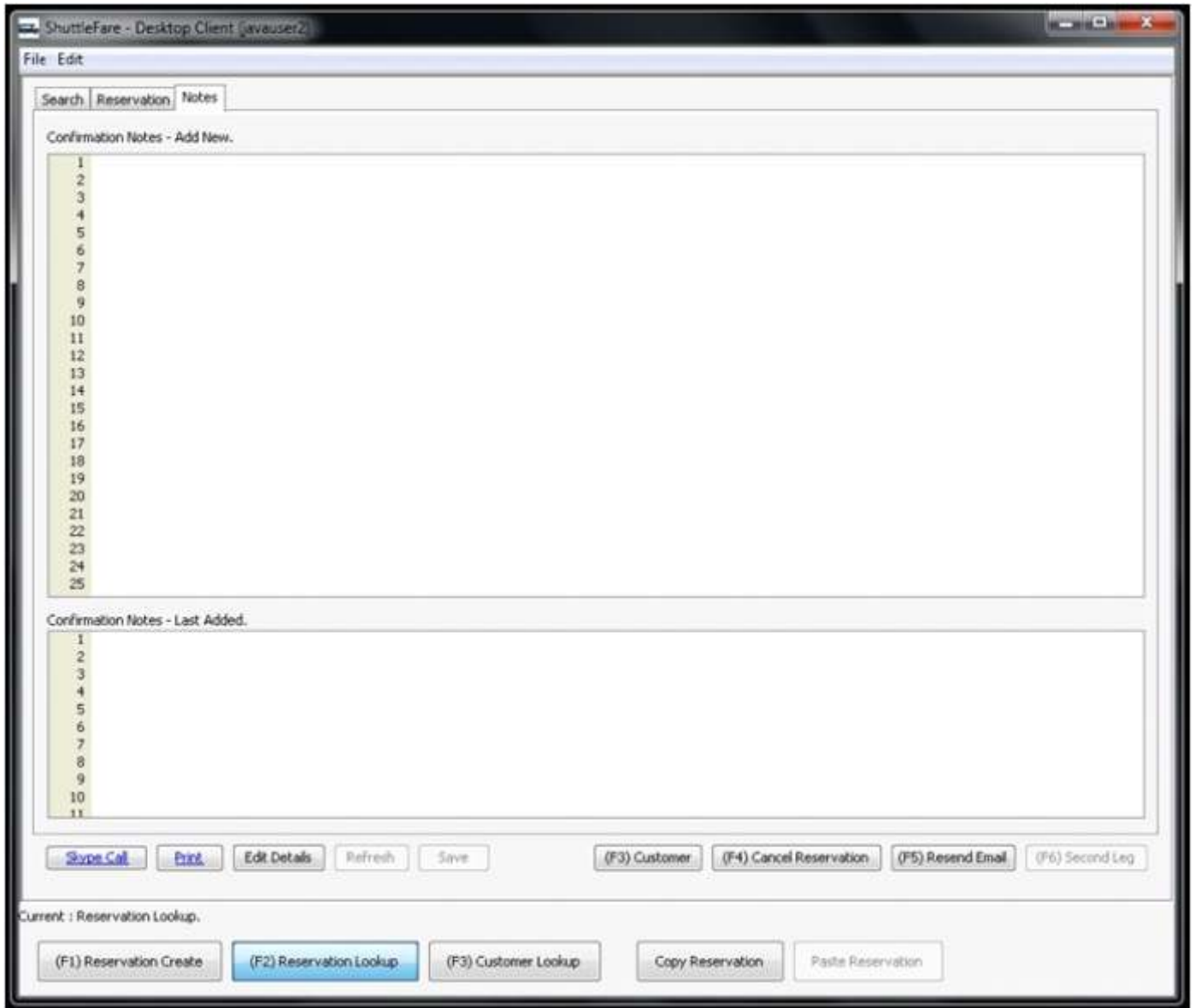


Fig. Reservation Lookup Notes Tab

## ☑ Customer Lookup

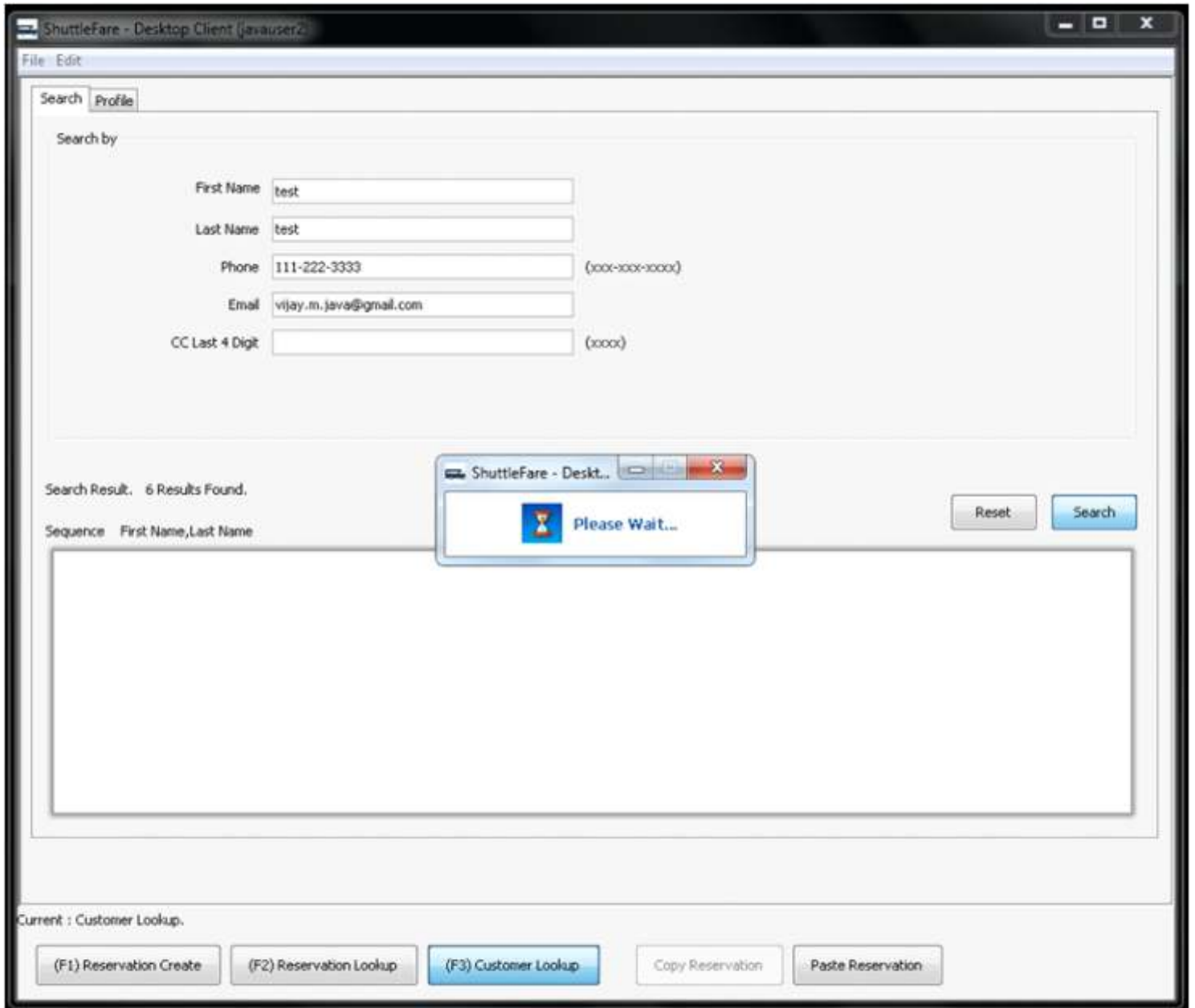


Fig. Customer Lookup Search Tab

In fig. we can see Search Tab in Customer Lookup. by this window we can find all Reservation from particular client.

Also we can check it's status, Information and also we can update client's information on particular reservation.

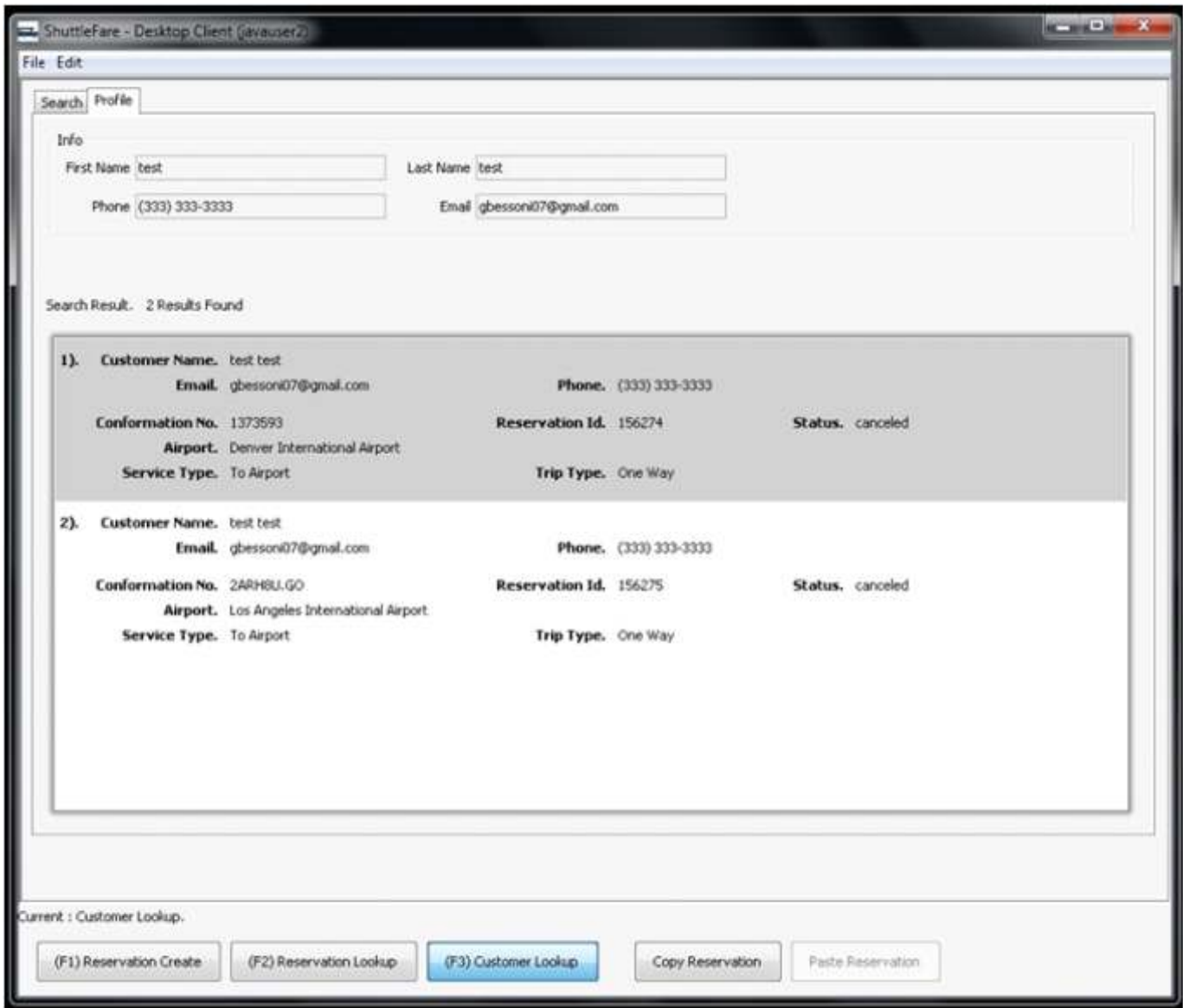


Fig. Customer Lookup Profile Tab

Also we have added some more features to make easy to use like, the whole application we can handle by only keyboard (we have added shortcuts for all major operation), validation, Date picker, easy to show up list of records, at validation avoid input from client, make disable when searching, make notes panel like a real notes window, Skype call, Print Reservation, copy and paste Reservation and so more..