Draw an Activity Diagram according to the given scenario:

In an online airlines ticket booking system, a customer places a request to the system selecting the departure and arrival destinations and also the date of departure. The system then gets all the carrier names and their time schedule from the flight database. Once the carrier names and their time schedules are received the system displays the options of the carriers and the schedule to the customer. If the customer likes any one of the options, he selects the option. But, if the customer doesn't like any option he can go back and select a new date of departure or he can close the application. After selecting an option, the system asks for customer details and credit card information. The system verifies the credit card. If the credit card is valid, the system writes all the booking information in the booking database and sends customer information to the carrier simultaneously. If the verification of the credit card fails, the system sends an error message to the customer and requests for credit card information again. The verification process is done again. If the credit card verification fails for three times the system cancels the booking process and sends a warning message to the credit card agent at the same time. Once the booking is done the system passes the message to the interface and the interface generates a bill and sends it to the customer.

Requesting
Ticket

Select
Departure

Select Arrival
Destination

Select date of
Departure

[Selecting New Date]

Flight
Database

Display
Options

Select Option

[Like Option]

[Else]

[Else]

Close
Application

Input Customer
& Credit Info

Verify

[Else]

[Less Than
3 Failure]

Send Error
Message

[Valid]

[Else]

Warning

Secd
Customer Info

Write Booking
Info

Booking
Database

Generate Bill

Send Bill to
customer