Airline Ticket Booking System

- register
- login
- check for avaibility
- search flight
- book ticket
- make payment
- cancel ticket
- update flight schedule
- edit profile

Passenger

System Request

Target Organization:

Project Sponsor:

Business vision:

Business requirement:

Business value:

Airline ticket booking system

login

registration

Check for
Avaibility

Search
Flight

Book
ticket

make
payment

<<Include>>

validate card

cancel
ticket

update flight
schedule

Passenger

Admin

passenger

Passenger

+name(string)
+id(int)
+source(string)
+destination(string)
+travel_date(int)
+no_of_seats(int)
+travel()

airport server

+name(string)
+id(integer)
+location(string)
+managedata()

admin

+name(string)
+password(int)
+login()
+revoke()
+grant()

flights

+no(int)
+departure(int)
+arrival(int)
+airline_name(string)
+source(string)
+destination(string)
+getArrived()
+getDeparted()

scheduled_flights

+flight_id(int)
+departure_date(int)
+price(int)
+seat_availability(int)
+getArrived()
+getDeparted()

payment

+amount(int)
+date(int)
+details()
+payOnline()
+netBanking()

booking_status

+confirm()
+edit()
+cancel()

tickets

+ticket_no(int)
+source(string)
+destination(string)
+booking_no(int)

Seats

+type_of_seat(string)
+seat_no(int)
+isEmpty()
+isFull()

credit_card

+id()
+no()

debit_card

+id()
+no()

PASSENGER

+Name(string)
+Adress(sting)
+gender(character)
+Age(integer)
+EmailID(string)
+PhoneNumber(integer)

+register()
+login()
+viewflights()
+booktickets()
+selectseats()
+canceltickets()
+logout()
+makepayment()
+changeinfos()

BOOKING SYSTEM

+flightname(string)
+starting location(string)
+destination(string)
+date time(date)
+number of seats(integer)

+chooseflight()
+selecttickets()
+makepyment()
+removeflight()
+modifyseats()
+cancel()

AIRLINE ADMIN

+name(string)
+id(integer)
+emailID(string)

+updateionof INFO()
+notify pasengers()
+update status()

FLIGHT

+flightname(string)
+flightnumber(integer)
+flightstatus(string)
+flightcapacity(integer)
+flightdestinations(string)

+timings()
+flight status()
+notifications()

PAYMENT

+customername(string)
+customerID(integer)
+cardnumber(integer)
+cardtype(string)

+makepayment()

Customer | Ticket Booking System | Flight | Customer Database | Reservation System

1: message
1.1: getsMatchingFlights()
1.2:
2.
2.1: ShowsBundle()
3: SelectsBundle()
3.1: ShowsCost()
3.2: asksloginRewardsProgram()
4: entersLogin
4.1: checksLogin
4.2: validates Login
5: entersPassengerDetails()
5.1: entersPassengerinfo()
5.2: asksSeatSelection()
6: selectsSeat()
6.1: showsFlightSummary()
7: makesPayment()
7.1: makesReservation()
7.2: returnsConfirmation()
7.3: asksToShareDetails()

<<requirement>>
User Authentication

Text = "user ID"
ID = "REQ001"
source = "user input"
kind = "passenger, admin, etc ."
verifyMethod = "username/password, two-factor...
risk = "unauthorized access, security vulnerabilit...
status = "verified, not verified"

<<requirement>>
Flight Information Retrieval

Text = "flight ID, destination, etc."
ID = "REQ002"
source = "user input, database"
kind = "one-way, round-trip, etc."
verifyMethod = "valid flight ID, destination ...
risk = "unavailable flights, incorrect inform...
status = "available, not available"

<<requirement>>
Booking and Reservation

Text = "user ID, flight id, seat, etc."
ID = "REQ003"
source = "user input, database"
kind = "seat class, meal preferences, etc."
verifyMethod = "seat availability, valid user a...
risk = "double booking, invalid user, insufficie...
status = "booked, not booked"

<<requirement>>
Payment and Transaction

Text = "user ID, payment details"
ID = "REQ004"
source = "user input, payment gateway"
kind = "credit card, paypal, etc."
verifyMethod = "valid payment, sufficie...
risk = "failed transactions, security bre...
status = "succesful, failed"

email

password

first name

last name

date of birth yyyy/mm/dd

password number

⦿ male
◯ femele

register

edit profile

view flights

origine

destination

departure time

search

your ticket

flight name

flight number

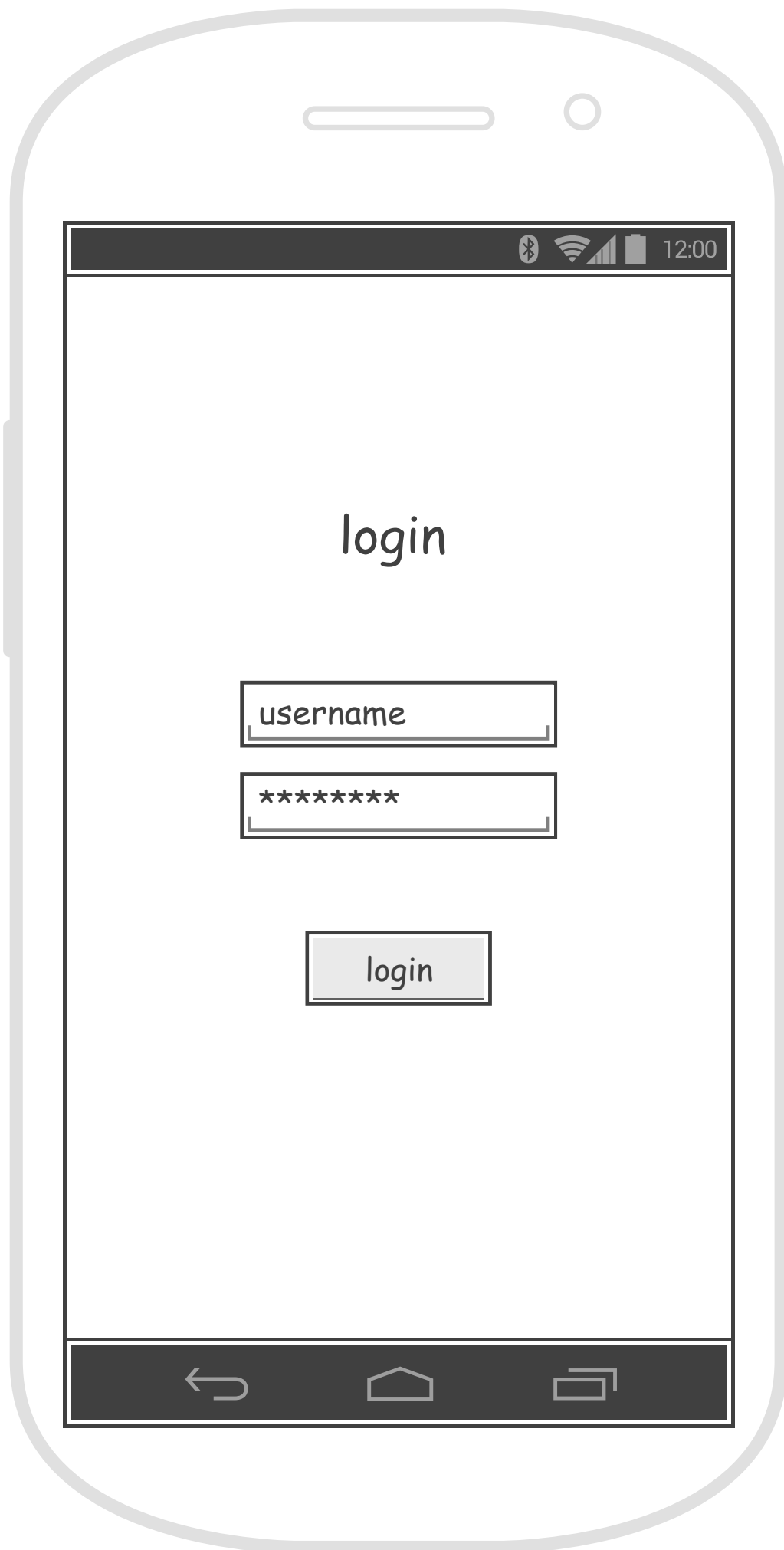origine

destination

departure date

total travel cost

total travel time

login

username

****

login