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GROUP

Airplane Ticket Management System

Database Planning

We will divide our Airplane Ticket Management System into Following Sections.

Mission Objectives:

“The purpose of Airplane Ticket Management System is to allow stake-holders to easily pre-book flight tickets towards their destination and at time of their choice, they will be able to pre-plan there whole flight plan from meal selection to car-services at the departure terminal. The system will manage a user profile with the history of their reserved flights and in-depth budget details of the selections. System will auto-evaluate airplanes from passenger feedbacks and air customer support.”

Mission Objective of Database:

- To maintain (Enter, Update and Delete) data on Terminals
- To maintain (Enter, Update and Delete) data on Passengers
- To maintain (Enter, Update and Delete) data on Plane Customer Service Providers
- To maintain (Enter, Update and Delete) data on Bookings
- To maintain (Enter, Update and Delete) data on Finance
- To maintain (Enter, Update and Delete) data on Planes
- To maintain (Enter, Update and Delete) data on Available Seats
- To maintain (Enter, Update and Delete) data on Reserved / Booked Seats
- To maintain (Enter, Update and Delete) data on Cab Service
- To maintain (Enter, Update and Delete) data on Drivers
- To maintain (Enter, Update and Delete) data on Meals
- To maintain (Enter, Update and Delete) data on Feedback

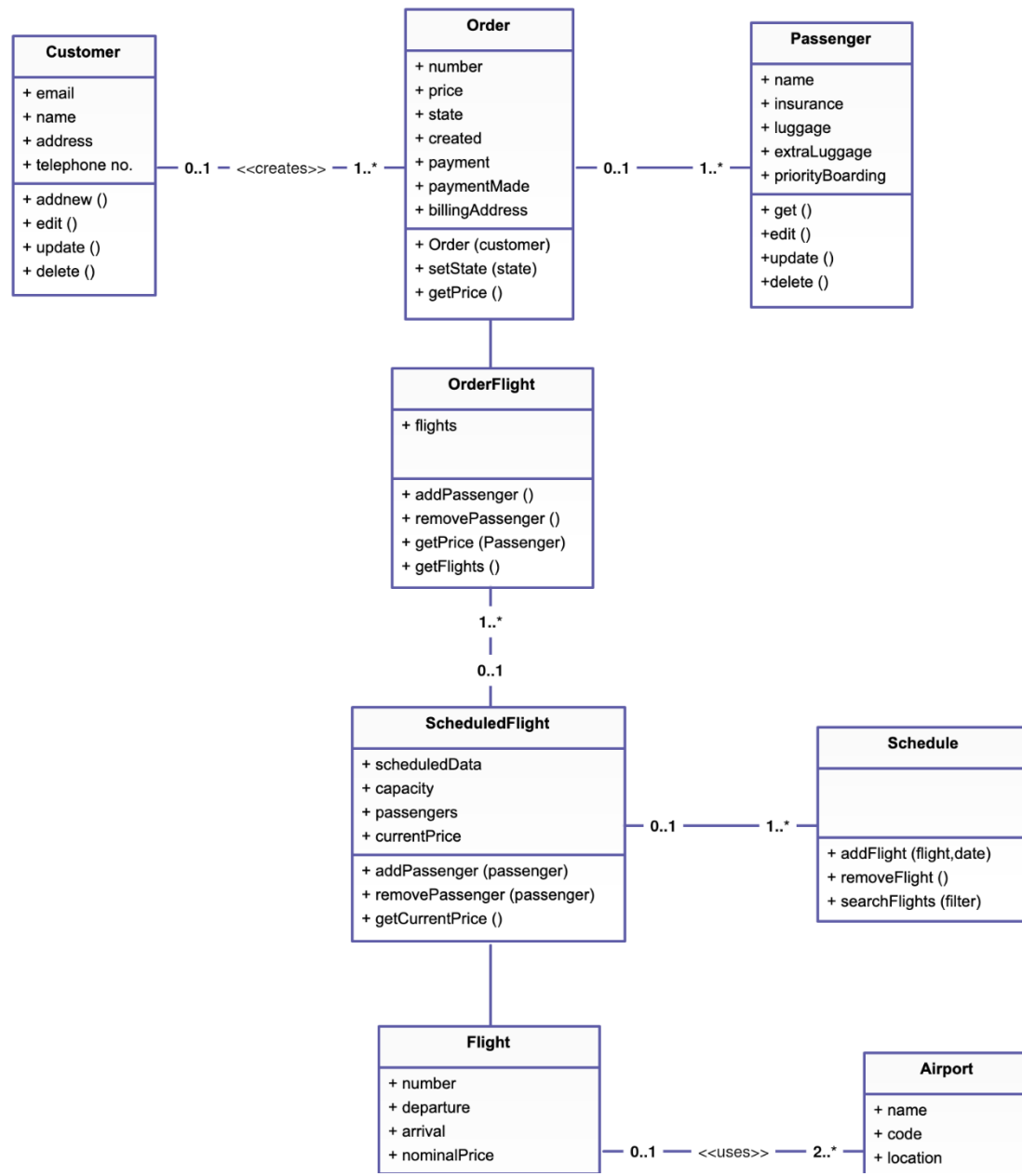
- To Search on Routes
- To Search on Airplane Companies

- To Search on Cabs
- To Search on Terminals
- To Search on Airplane Customer Service Providers

- To track on Airplane
- To track on Reserved / Booked Seat
- To track on Available Seats
- To track on Reserved /Booked Seats

- To report on Airplane
- To report data on Customer Service Providers
- To report on Reservations
- To report on Cab Service
- To report on Terminal
- To report on Drivers

PROJECT ERD:



MUHAMMAD ADIL MEHMOOD (SP19-BCS-014)AND AYESHA LATIF (SP19-BCS-030)

OBJECTIVE:

We will be designing and developing panels for user and company profile management, these will further include edit profile sections, recent history of user interactions and also the main page with all the profile with recent bookings or planes listed there.

Scope

We will create profile management module of this app. In this module company creates his profile and edits it and allows user to create his profile. Company adds his information about his flight schedule and route details.

Required time

Required 2 months to be completed.

Mission statement:

We will make profile management module.


Complexity:

We have to learn object-oriented concept of Java. Besides, we will use Swing framework of Java. We face difficulties to use Swing framework because they do not have wide community or extensive tutorials.

Conclusion:

In this module, company can create his profile and future plan, where administrator can login into the application. Add flight, schedule and route details. View the flight, schedule and route details. Cancel or modify the flight, schedule and route details. User can create his profile in this module where they easily update about their flight schedule.

USER INTERFACES:




Zulfikar Gujar
zulfikargujjar@support.com

- Profile
- Recent Activity 3
- Edit profile


Profile Management

Bio Graph

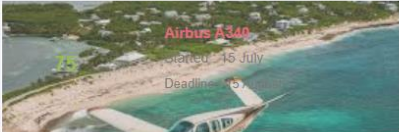
First Name	: Zulfikar	Last Name	: Gujar
Country	: Chichawatni	Birthday	: 13 July 1983
Occupation	: Frontend Designer	Email	: zulfikargujjar@support.com
Mobile	: (+92) 0456789023	Phone	: (+92) 0456789023




Airbus A380-800
Started : 15 July
Deadline : 15 August



Boeing 747-8
Started : 15 July
Deadline : 15 August






Airbus A340
Started : 15 July
Deadline : 15 August



Boeing 777-200
Started : 15 July
Deadline : 15 August



Zulfikar Gujjar
zulfikargujjar@support.com

-  Profile
-  Recent Activity 3
-  Edit profile

Full Name
John Smith

Username
johnny.s

Email
user@example.com

About
My Bio

Change Password

Current Password

New Password

Confirm Password


Save Changes




Zulfikar Gujjar
zulfikargujjar@support.com

 Profile

 Recent Activity 3

 Edit profile


Profile Management

S

Sam Kuran

For what reason would it be advisable for me to think about business content?


13/12/18

K

Kinley Adolf

For what reason would it be advisable for me to think about business content?


21 July

H

Velden Kamut

For what reason would it be advisable for me to think about business content?


13/3/19

F

Stuart Kim

For what reason would it be advisable for me to think about business content?

03/1/19

S

Simply Fry

For what reason would it be advisable for me to think about business content?

2 hours ago

New Account

Account Information

Email

example@email.com

User name

Username

Password

Password

+ Add

Password Update Information

Email

example@email.com







New Password

Password

+ Update Password

Manage Accounts

Account Information

#	Username	Email	
1	john	john@email.com	 
1	john	john@email.com	 
1	john	john@email.com	 

«

1

2

3







4

5

»

Manage Flights

+ New Flight

#	FlightNo	From	To	Departure Date	Time	Capacity	
1	4091	Lahore	Karachi	20/10/2017	04:30 pm	200	 
2	1023	Lahore	London	20/10/2017	04:50 pm	300	 
3	1955	Lahore	Canada	20/10/2017	10:30 pm	150	 

New Airbus

Airbus Information

AirBus No#







AirBus no.

Capacity

Seating Capacity

+ Add

Manage Airbus

Airbus Information			
#	Airbus No#	Capacity	
1	4091	500	 
2	4091	200	 
3	4091	300	 

«

1

2

3

4

5

»

New Flight

Flight Information

Airbus No:

1

▼

Flight No:

Flight No.

From

To

Origin

Destination

Departure Date

Departure Time

dd/mm/yyyy



--:-- --



Journey Hours

Intervals

1

0

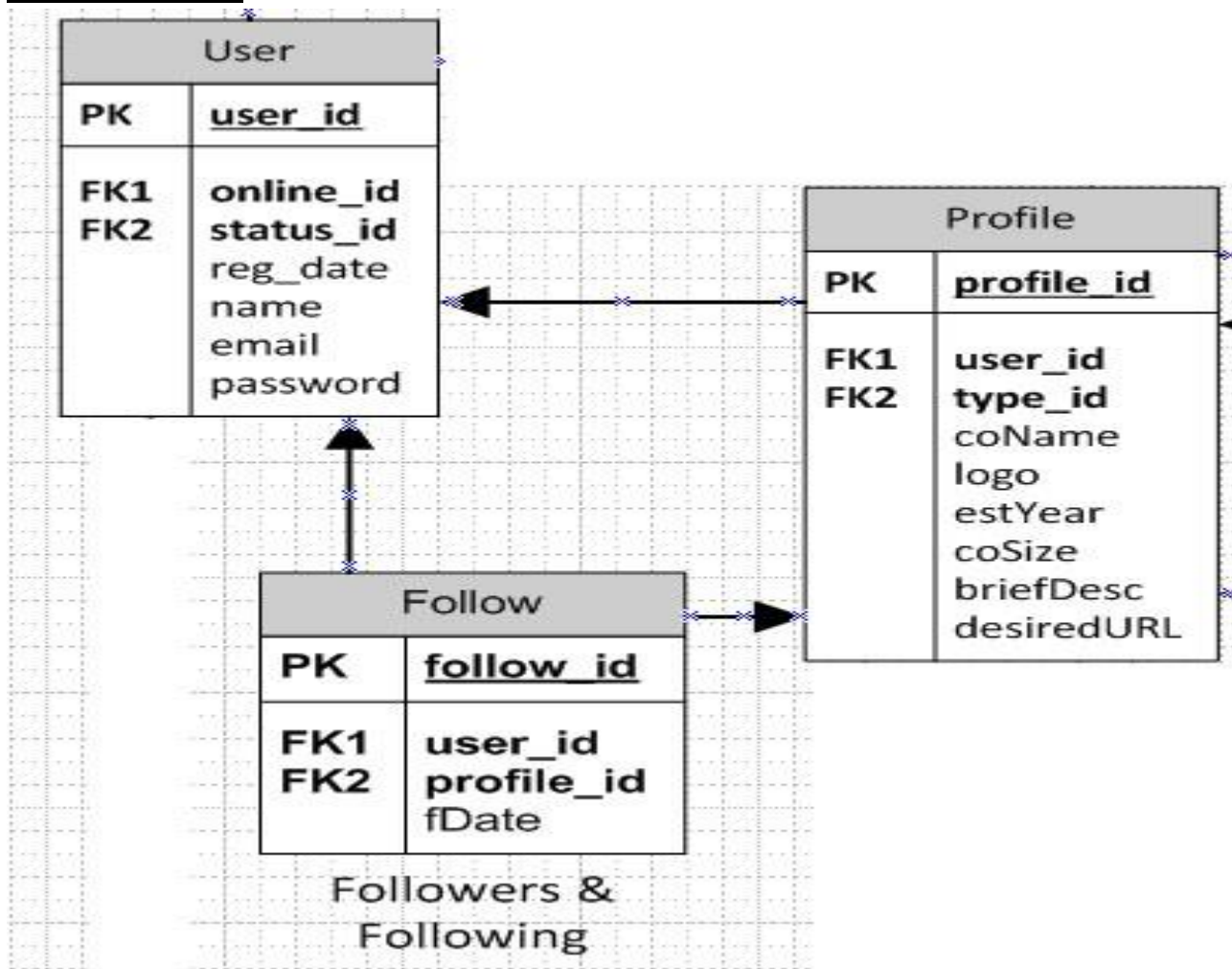
First

Business

Economy

+ Add

ERD DIAGRAM:



Reviewed by:

Syed Huzaifa Abid(SP19-Bcs-025)

Zulkifil Rehman

Comments:

Syed Huzaifa Abid: All ok!

Zulkifil rehman : Adil and ayesha did a great job by designing main panels and profile management system.

SYED HUZAIFA ABID (SP19-BCS-025) AND HAMZA MUSHTAQ (SP19-BCS-007)

OBJECTIVE:

- Attractive interface (UI):

Our main objective is to create an attractive and eye-catching interface for our user. An attractive interface compels user to stay for longer time.

- **To connect interface with database.**

Our next objective after UI design is to connect interface with database through JDBC (Java Database Connectivity).

- **To maintain integrity**

Integrity is the most vital part of any application. Our main focus would be secure our clients data and access restriction according to role of user.

- **To convey a complete ethical conduct of application.**

We will ensure our product will totally be used in ethical way and no illegal or mischievous activities are being conducted by our platform.

- **To provide a vivid view**

The view of login will be portraying a complete image on the client. The design will be clear.

- **Maintaining reliability**

We will ensure to maintain reliability of service to customer at a level above 99%.

Time Required:

Time required for development of this module is approximately **30 days** based on both volume of work and complexity.

USER INTERFACES:

Splash Screen: Hides after 2 seconds.

Welcome to Airplane Ticket Management System

Sign In:

ARS

HomeFeedback

Welcome Back!

To keep connected with us please login with your personal info

SIGN UP

SIGN IN

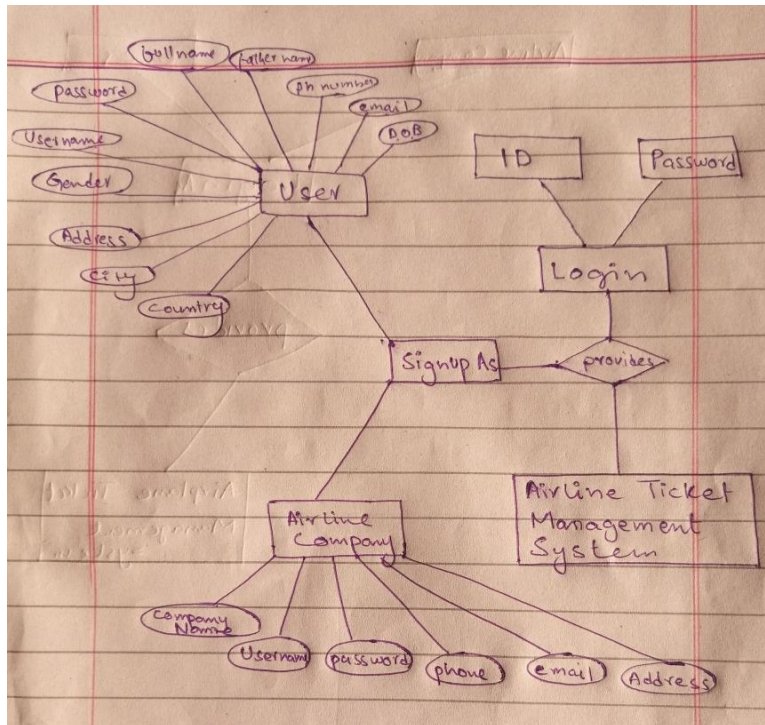
User Name

Password

SIGN IN

[FORGOT PASSWORD?](#)

ERD DIAGRAM:



Conceptual Database Modeling

SIGNUP AS

- USER
 - username Primary Key (Contains Alphabets, Numbers,(.) and (_))
 - password (Must contain atleast 8 alphanumeric characters)
 - fullName (Only alphabets)
 - fatherName (Only alphabets)
 - phNumber Unique Key (Only Numbers and (+))
 - email Unique Key (Alphanumeric characters)
 - dateOfBirth (Numbers and (-))
 - gender (Male, Female and others)
 - address (Alpha Numeric)
 - city (Alphabets)
 - country (Alphabets)

- AIRLINE COMPANY

-userName Primary Key (Contains Alphabets, Numbers,(.) and (_))

-password (Must contain atleast 8 alphanumeric characters)

-companyName (Only alphabets)

-phone Unique Key (Only Numbers and (+))

-email Unique Key (Alphanumeric characters)

-address (Alpha Numeric)

Reviewed by:

MUHAMMAD ADIL MEHMOOD (SP19-BCS-014)

Zulkifil Rehman

Comments:

Adil: Objectives are added, prototype images are present, ERD diagrams present.

Zulkifil rehman : Hamza and hozaifa made login interface look great .

ADNAN KHURSHID (SP19-BCS-029) AND Zulkifil Rehman (SP19-BCS-027)

OBJECTIVE:

Mission hope page

Time duration 3 months

Problem in task

First we will learn java then oop then swing framework of java afterwards we will apply the given knowledge.

Primary mission

Main mission of homepage is to book ticket and get additional info such as

- Departing time and date
- Arriving time and date

Secondary mission

1. User can surf and see best deals on airline tickets that are available.
2. View top airlines
3. Email form
4. Client reviews
5. Methods of payment.

Objectives

1. We will design a UI search bar that displays airplane ticket details .store the details in mysql and design it in html css,php .
2. Add logo
3. Add menu
4. Add email form and store data in mqsllibrary .

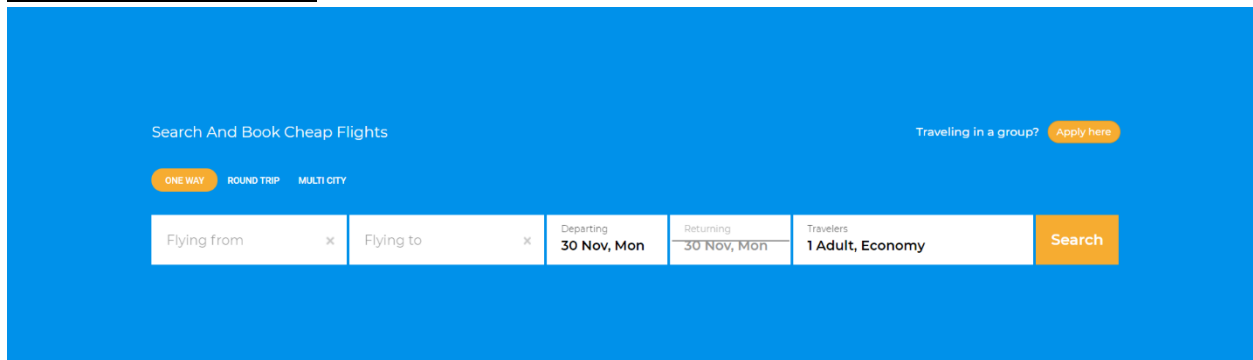
Prototype

Flight (home page)

1 st section

It would contain a simple flight search option . Which can contain flight from ,flight to ,departure ,returning .Here I have attached an example .

USER INTERFACES:



2 ndSection : Airline reviews

Airline reviews

See all



American Airlines



Delta Air Lines

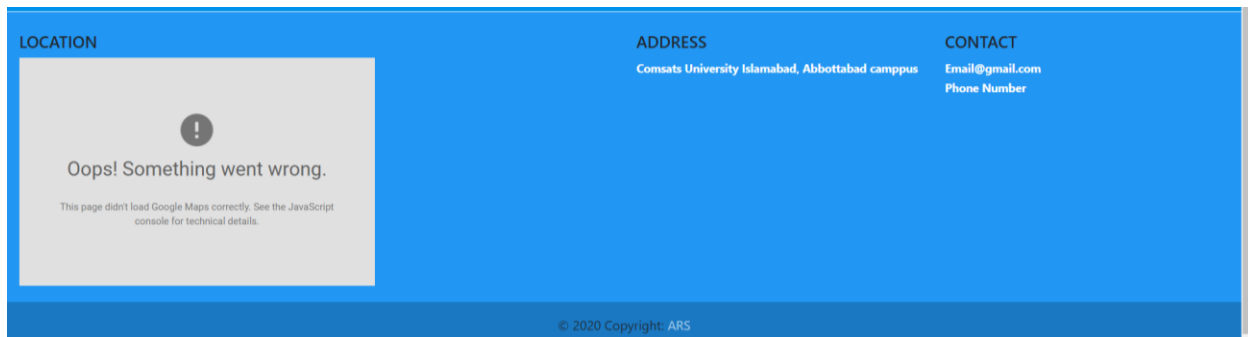


United Airlines



JetBlue

3 RD section footer



Conceptual Database Modeling

Arrival_time(contains Alphabets, numbers, (:))

Departure_time((contains Alphabets, numbers, (:))

Price ((contains Alphabets, numbers, (.))

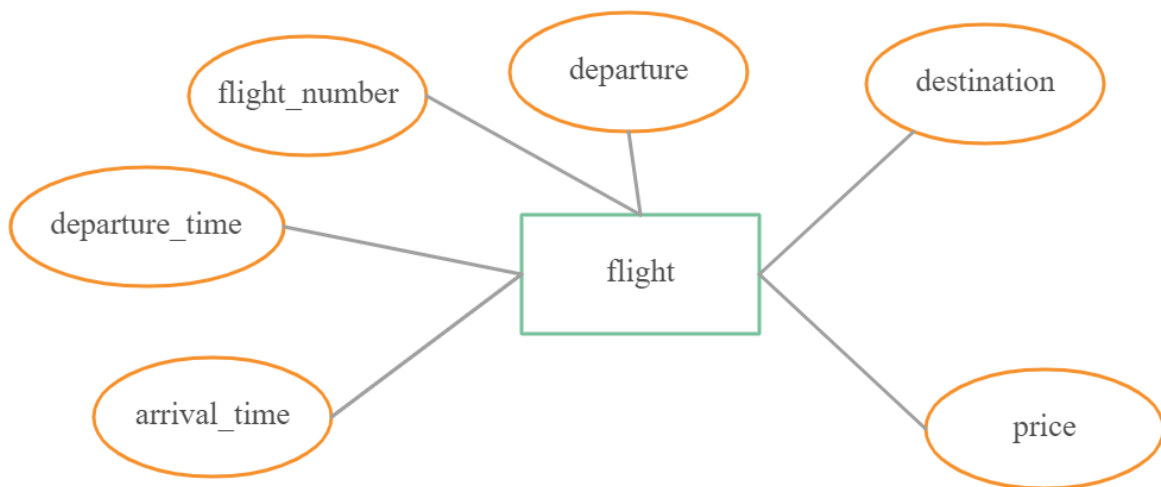
Flight_number((contains Alphabets, numbers,)

Destination (only Alphabets)

Departure(only Alphabets)

ERD DIAGRAM:

Flight	
Arrival_time	Varchar(50)
Departure_time	Varchar(50)
Price	Varchar(255)
Flight_number	Varchar(255)
Destination	Varchar(255)
Departure	Varchar(50)
Arrival	Varchar(50)



Reviewed by:

MUHAMMAD ADIL MEHMOOD (SP19-BCS-014)

Syed Huzaifa Abid(SP19-Bcs-025)

Comments:

Objectives are added, prototype images are present, ERD diagrams present.

All ok!

ABDULLAH JAVED SP19-BCS-002 AND SAIF UR REHMAN (SP19-BCS-021)

OBJECTIVE and Mission Statement:

To maintain (Enter, Update and Delete) data on Feedback

Forms are used in at least three places in the application to fetch the data from the user. the code snippet of feedback form that's embedded in" Contact Us" page. The feedback form is declared and the fields are defined.

A small form called Feedback Form can be found in the "Contact Us" page. The users can send in their feedbacks to the company using this form. The form contains five fields where the users can enter their name, email address, service quality, rate out of five stars and message. The data from Feedback Form after sending is saved into company's database. Below shows the view of Feedback Form.

Contact us

Feedback form

Your name

Email address

Services quality (tick one of the following)

Excellent, V. Good, Good, Satisfactory

Rate out of five stars

Your Message

USER INTERFACES:

The screenshot shows a Java Swing window titled "FEEDBACK FORM" with a light green background. The window has a standard Java Swing title bar with three buttons (minimize, maximize, close) on the right. Below the title bar is a menu bar with "Source", "Design", and "History" menus. The "Design" menu is currently selected. The main content area of the window contains a feedback form with the following elements:

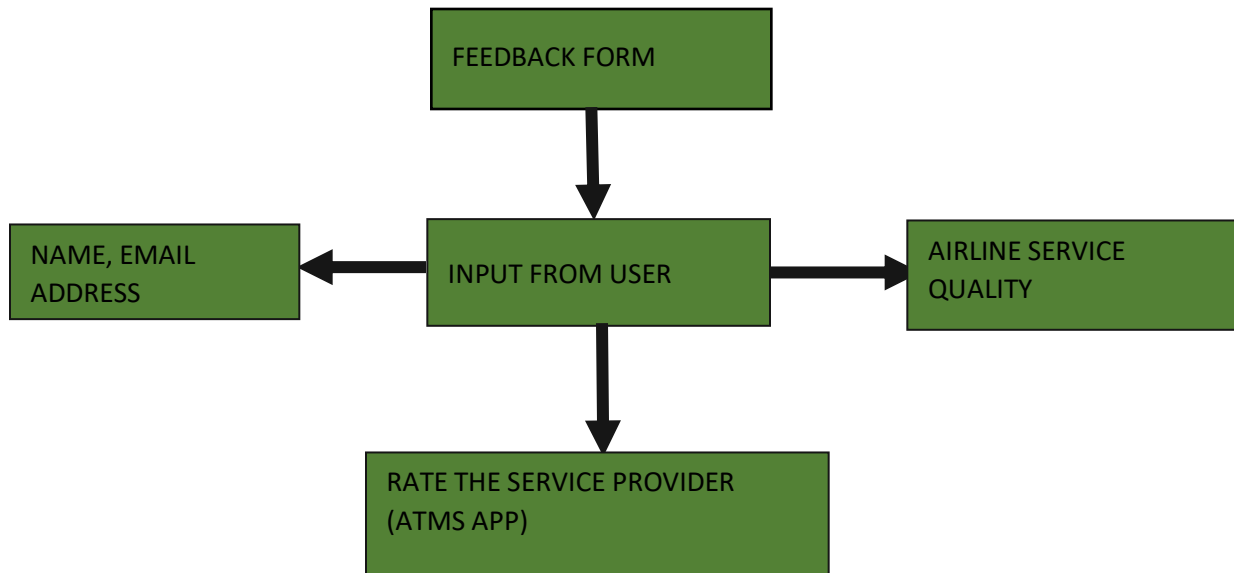
- A title "FEEDBACK FORM" in bold blue text, enclosed in a black rectangular border.
- A label "YOUR NAME:" followed by a white text input field.
- A label "EMAIL ADDRESS:" followed by a white text input field.
- A label "PHONE NO:" followed by a white text input field.
- A label "ADDRESS:" followed by a white text input field.
- A label "MESSAGE:" followed by a larger white text area.
- A "Submit" button in the bottom right corner of the form area.

The window also has a standard Java Swing scrollbar on the right side.

ERD DIAGRAM:

FEEDBACK	
userName	Varchar(255)
phone	Varchar(255)

email	Varchar(20)
address	Varchar(255)



Reviewed by:

Syed Huzaifa Abid(SP19-BCS-025)

Zulkifil Rehman

Comments:

All ok!

Zulkifil rehman :saif and Abdullah did a great job by working on feedback module .