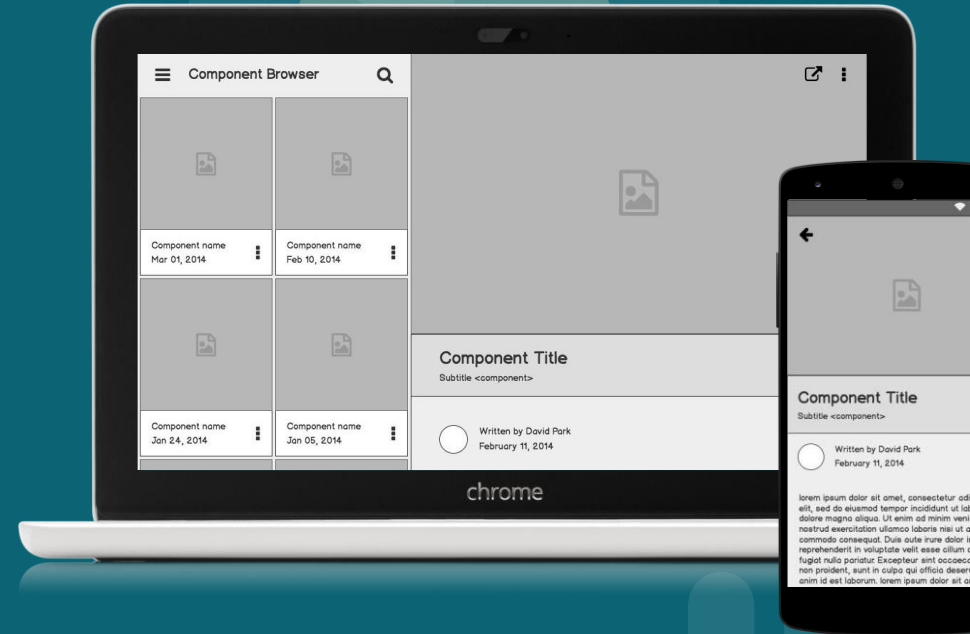


Project Report J - Component

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Tours and Travels



- Abstract
- Problem Definition
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Abstract

“Tours and Travels” is a project that provide a system that processes tour packaging. It provide entire information about Dates available, Places available, Booking, Cancellation, Charges, Facilities provided. The purpose of this project is to maintain a proper record about tour packages, its status and calculation of total charges. It stores the packages, tours available and other information like when the booking was done.

Problem Definition

The present scenario offers manual data entry. A lot of time is wasted in creating the reports as well as maintaining them. In case, if any query arises to get the information about the users, the whole report is booked, queries are registered, re-typed or xeroxed. This seriously affects the authentication of the system. This is totally outdated and involves high risk of ambiguity and redundancy.

Purpose:

The main objective of the Hotel Booking Management System project is to manage the details of Hotel Rooms, Services and Booking. This Hotel Booking Management System will definitely reduce the time, energy and money wasted in manually searching the details of the booking and registered users. With the help of this software, all the services and users can be properly channelized.

Advantages of our project

- User friendly interface
- Fast access to database
- Less error
- More Storage Capacity
- Search facility
- Look and Feel Environment

Software requirements

Front End

Netbeans (java) is a front end which is user interface and used for interacting with user. This is done with the help of GUI controls. It is used to collect inputs from user.

Back End

MySQL is the back end of the project where all the information is saved.



BACK END

Coding for Back End

```
create database tourXIIA;  
use tourXIIA;  
create table package  
(  
package_ID varchar(30) primary key,  
starting_date date,  
booking_date date,  
total_places int(4),  
charges int(6),  
places_to_visit varchar(100),  
facilities_provided varchar(30),  
available_places varchar(100),  
closing_date date  
);
```

```
create table booking  
(  
Person_ID int(3) primary key,  
Name varchar(30),  
Date_of_booking date,  
Number_of_persons int(50),  
Phone varchar(30),  
address varchar(50),  
Package_ID varchar(30)  
);
```

```
create table cancellation  
(  
Person_ID int(3) primary key,  
Name varchar(30),  
Date_of_booking date,  
Number_of_persons int(50),  
Phone varchar(30),  
address varchar(50),  
Package_ID varchar(30),  
Date_of_Cancellation date  
);
```

Package Table:

```
mysql> desc package;
```

Field	Type	Null	Key	Default	Extra
package_ID	varchar(30)	NO	PRI	NULL	
starting_date	date	YES		NULL	
booking_date	date	YES		NULL	
total_places	int	YES		NULL	
charges	int	YES		NULL	
places_to_visit	varchar(100)	YES		NULL	
facilities_provided	varchar(30)	YES		NULL	
available_places	varchar(100)	YES		NULL	
closing_date	date	YES		NULL	

```
9 rows in set (0.06 sec)
```

Booking Table:

```
mysql> desc booking;
```

Field	Type	Null	Key	Default	Extra
Person_ID	int	NO	PRI	NULL	
Name	varchar(30)	YES		NULL	
Date_of_booking	date	YES		NULL	
Number_of_persons	int	YES		NULL	
Phone	varchar(30)	YES		NULL	
address	varchar(50)	YES		NULL	
Package_ID	varchar(30)	YES		NULL	

7 rows in set (0.00 sec)

Cancellation
Table:

Values inserted in package table:

```
mysql> select * from package;
```

package_ID	starting_date	booking_date	total_places	charges	places_to_visit	facilities_provided	available_places
	closing_date						
DELHI_TOUR	2021-10-31	2021-11-15	56	80000	Lotus Temple,India Gate,Akshardham Temple	hotel,meals	Red Fort,Qutub Minar,Jama Masjid
DUBAI_TOUR	2021-12-12	2021-12-12	50	5000	Burj Khalifa,Palm Island,Desert Safari	meals,security	Aquarium,Polar Pass,Fountain
GOA_TOUR	2021-10-31	2021-11-15	85	80000	Agonda Beach,Keri Beach,Velsao Chapel	transportation,hotel,meals	Calangute Beach,Basalica of Bom Jesus
indore_tour	2021-11-12	2021-11-11	48	90000	devas,ujjain,bhopal	transportation,meals	Jabalpur,Beda Ghat,Gwalior
ODISHA_TOUR	2021-12-12	2021-11-11	5	45000	Sun temple, Jagarnath temple, chilika lake	transportation	Puri, Cuttak, Bhubneshwar
SHIMLA_TOUR	2021-11-22	2018-11-15	30	9500	Mall Road,Jakhoo,Christ Church	transportation,hotel,meals	The Ridge,Magnificent Hill, Kali Badi Temple

6 rows in set (0.01 sec)

Values inserted in booking table:

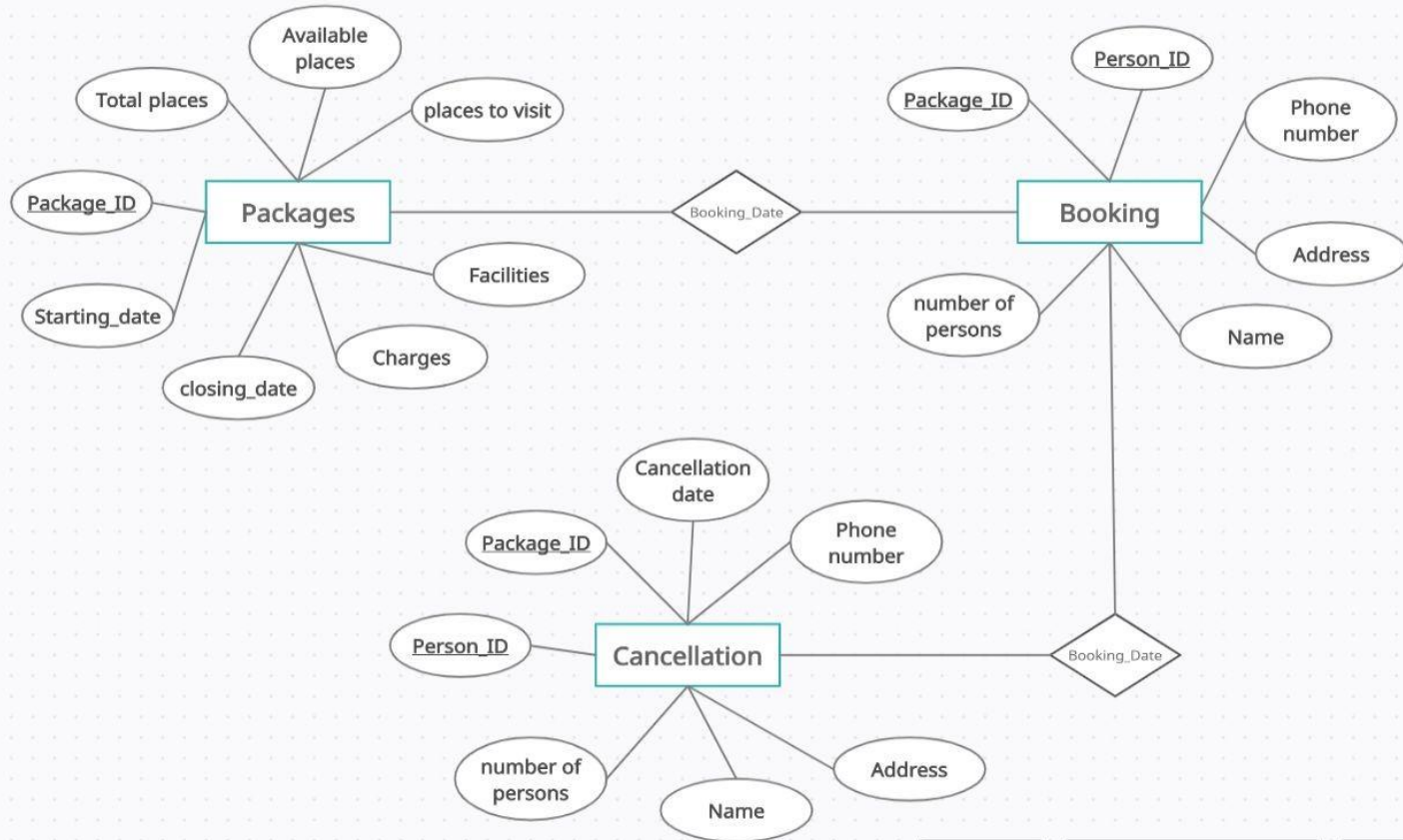
```
mysql> select * from booking;
```

Person_ID	Name	Date_of_booking	Number_of_persons	Phone	address	Package_ID
1	Ambar	2021-06-12	3	123456	Indore	DELHI_TOUR
2	Ankita	2021-08-12	3	123456	Indore	DELHI_TOUR

```
2 rows in set (0.01 sec)
```

The slide features a central white rectangular area containing the text "ER Diagram". This central area is framed by a decorative border composed of repeating light purple triangles pointing towards the center, set against a darker purple background.

ER Diagram



Normalization

Package Table:

<u>Packageid</u>	Starting date	Booking date	Total places	Charges	Facilities provided	Available places	Closing date
------------------	---------------	--------------	--------------	---------	---------------------	------------------	--------------

2NF: Since there is only one primary key thus partial dependencies not possible

3NF: Every column value is provided randomly so no two non candidate key column depend on each other thus no transitive dependencies.

Booking Table:

<u>Person id</u>	Name	Booking date	Number of person	Phone number	Address	<u>Package id</u>
------------------	------	--------------	------------------	--------------	---------	-------------------

Here we have both package id and person id acting as composite primary key.

2NF: partial dependency is :personid -> name, phone number, address

<u>Person id</u>	Name	Address	Phone number
------------------	------	---------	--------------

<u>Person id</u>	<u>Package id</u>	Booking date	Number of person
------------------	-------------------	--------------	------------------

3NF: Every column value is provided randomly so no two non candidate key column depend on each other thus no transitive dependencies.

Cancellation Table:

<u>Person id</u>	Name	Booking date	Number of person	Phone number	Address	<u>Package id</u>	Cancellation date
------------------	------	--------------	------------------	--------------	---------	-------------------	-------------------

Here we have both package id and person id acting as composite primary key.

2NF: partial dependency is :personid -> name, phone number, address

<u>Person id</u>	Name	Address	Phone number
------------------	------	---------	--------------

<u>Person id</u>	<u>Package id</u>	Booking date	Number of person	Cancellation date
------------------	-------------------	--------------	------------------	-------------------

3NF: Every column value is provided randomly so no two non candidate key column depend on each other thus no transitive dependencies.



FRONT END



Following controls has been used in the project to provide user interface and interaction :

- Ø JLabel
- Ø JTextField
- Ø JButton
- Ø JComboBox
- Ø JRadioButton
- Ø JMenuBar
- Ø JMenuItem
- Ø JTable





Forms Reports



TOURS & TRAVELS



Travel With Us
For Best Deal

PACKAGES

Package ID

--

Places to visit

Start Date

--

Facilities



Booking Date

--

Available Places

Total Places

--

Charges

--

Closing date

--

Load

Save

Upd...

Delete

New

AA

A

✓

»»

BOOKING

Select Packages

Load

Person ID

Name

Date of booking

Number of person

Check Availability

Phone number

Address

Book

Clear

Exit

Cancellation

Person ID

Load

Selected package

Name

Date of booking

Number of person

Phone number

Address



Confirm Del...

Exit

Conclucion

Present Scope:

This project help in providing a system that process room reservation. It will help to book tour and gather information of tour packages being booked and also calculates total charges when tour package is being cancelled .It will help in keeping proper records of tour packages.

Future Scope:

This coding can be made more flexible and specific. Further it can be modify to provide a more efficient reservation system .More function can be added so all the information related to tour packaging is generated at once.

Bibliography

Ø Sumita Arora Class XII

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Ø *Google.com*

Ø *scribd.com*