



# Department of Computer Science

Term Project Proposal, Fall 2021-22

Course	OBJECT ORIENTED PROGRAMMING 2	Group	
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## Group Members:

Student ID	Name	Contribution
20-43317-1	Riya Basak Risha	I have done the utility file, Tourist and hotel panel
20-43548-1	Md Najmus Shakib Khasru Parvez	I have done the login page and the UC_Admin_Home panel and the database part
20-44193-2	Aamir Mohammed Zobayer	I have done all the the UI design part
20-43658-2	Sudipta Kumar Das	I've done the rest of the Coding parts of the project

## Project Title:

Voyager – A Tour Management System

## Project Description:

### Features Description:

Feature name	Actor	Feature story
Login	Admin, receptionist	As an admin or receptionist, they can log in (according to their designation) to access the feature of the system
Show destinations	Receptionist	Show the places and shows up to a text box.

	Admin	As a user an admin can change, update, delete
Back	Admin, receptionist	Go back
search	Admin, receptionist	It's a premium feature
Logout	Admin, receptionist	They can logout from the respective accounts.
Show client list	Admin, receptionist	They can add, update, and delete info about the clients (tourists).
Show hotel list	Admin	As an admin he can do crud operations
	Receptionist	Only Can check the list
Show all history	Admin, receptionist	Display all the table
Next	Admin, receptionist	This feature will immediately take them to the next panel.
previous	Admin, receptionist	This feature will immediately take them to the previous panel.
Minimize	Admin, receptionist	This feature helps to minimize the whole current panel.
cross	Admin, receptionist	This feature allows closing the whole application.
Scrolling	Admin, receptionist	This feature will help to scroll long data
Show transport	Admin, receptionist	It will take the user to the transport panels.
Show Air-transport	Admin	Can perform crud operation
	Receptionist	As a user a receptionist can only see information.
Show Bus-transport	Admin	This feature can show all the current bus services available and can perform CRUD operation
	Receptionist	This feature can show all the current bus services available
Show Train-transport	Admin	This feature can show all the current train services available and can perform CRUD operation
	Receptionist	This feature can show all the current train services available
Book tours	Receptionist	As a receptionist, he can help tourists to book tour.
Show historical place Hill station Forest Beach Lakes	Receptionist	It will take the users to where they chose.

Monuments		
Cancel	Receptionist	Can cancel the booking & go back to the reception panels.
Select destination	Receptionist	It will book the destination & go to the transport panel.
Book transport <ul style="list-style-type: none"> <li>— Bus</li> <li>— Air</li> <li>— Train</li> </ul>	Receptionist	Can book the transport type & show the name list and share the advance payment fee.
Select transport name	Receptionist	Can manage to select the transport & go to the hotel panel.
Select room type	Receptionist	Select room type and go to the payment panel.
Form fill-up	Receptionist	User will fill-up the tourists' details & update the as .....
Show price	Receptionist	It will show the total cost according to the type selection.
Confirm & print invoice	Receptionist	It will collect all the data form the database and open the print panel.
Add, update, delete	Admin, receptionist	They can add, update or delete information form the database.
Destination Hotel Transport Payment	Receptionist	It is used as a exchange of go back feature
Earning	Admin	Can see the total earning of the day till the software is turned on

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**Data Dictionary:**

Table\_1 (Air\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	air	VARCHAR	50	Yes

Table\_2(Bus\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	bus	VARCHAR	50	Yes

Table\_3(Train\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	train	VARCHAR	50	Yes

Table\_4(Client\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	name	VARCHAR	50	Yes
	phone	VARCHAR	50	Yes
	mail	VARCHAR	50	Yes
	nid	VARCHAR	50	Yes
	member	VARCHAR	50	Yes
	date	VARCHAR	50	Yes
	destination	VARCHAR	50	Yes
	transport	VARCHAR	50	Yes

Table\_5(Destination\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	destination	VARCHAR	50	Yes

Table\_6(Hotel\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	hotel	VARCHAR	50	Yes

Table\_7(Message\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	admin	VARCHAR	50	Yes
	recep	VARCHAR	50	Yes

Table\_8(Staffs\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	username	VARCHAR	50	Yes
	password	VARCHAR	50	Yes
	earnings	VARCHAR	50	Yes

Table\_9(Tours\_Table)

Key	Name	Data Type	Length	Nullable
<b>Primary</b>	id	INTEGER	10	No
	tours	VARCHAR	50	Yes

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### **Project Requirements Accomplishment List**

- ✓ At least 2 types of Users
- ✓ Database Connection Class
- ✓ Normalized DB
- ✓ Form Validation
- ✓ Search Option for all users
- ✓ OOP Principles
- ✓ Database CRUD operations

