

**Department of Computer Science**

Term Project Proposal, Fall 2021-22

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| Course | OBJECT ORIENTED PROGRAMMING 2 | Group |  |

**Group Members:**

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| 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:**

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| Voyager – A Tour Management System |

**Project Description:**

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| **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 | Receptionist | It will take the users to where they chose. | | Hill station | | Forest | | Beach | | Lakes | | 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  Bus  Air  Train | 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 | Receptionist | It is used as a exchange of  go back feature | | Hotel | | Transport | | Payment | | Earning | Admin | Can see the total earning of the day till the software is turned on |   **…..............................................................................................x..............................................................................................**  **Data Dictionary:**  Table\_1 (Air\_Table)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | id | INTEGER | 10 | No | |  | air | VARCHAR | 50 | Yes |   Table\_2(Bus\_Table)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | id | INTEGER | 10 | No | |  | bus | VARCHAR | 50 | Yes |   Table\_3(Train\_Table)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | id | INTEGER | 10 | No | |  | train | VARCHAR | 50 | Yes |   Table\_4(Client\_Table)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | 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 | | **Primary** | id | INTEGER | 10 | No | |  | destination | VARCHAR | 50 | Yes |   Table\_6(Hotel\_Table)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | id | INTEGER | 10 | No | |  | hotel | VARCHAR | 50 | Yes |   Table\_7(Message\_Table)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | id | INTEGER | 10 | No | |  | admin | VARCHAR | 50 | Yes | |  | recep | VARCHAR | 50 | Yes |   Table\_8(Staffs\_Table)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | 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 | | **Primary** | id | INTEGER | 10 | No | |  | tours | VARCHAR | 50 | Yes |   **…..............................................................................................x..............................................................................................**  **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 |