

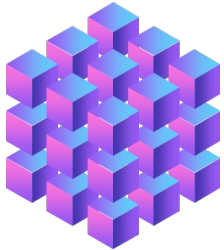
Eco Tourism Management

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Introduction To The Project

The "Eco Tourism Management Database" project aims to design, develop, and implement a robust and user-friendly database system for managing ecotourism operations. Ecotourism has gained increasing popularity as a sustainable form of tourism that emphasizes conservation and community involvement. This project is intended to streamline and enhance the management of ecotourism activities, visitor experiences, conservation efforts, and related administrative tasks.



Before Mid-term




Create DataBase



Create Table




Create Tables



```
CREATE TABLE VisitorInfo (  
    VisitorInfoID INT PRIMARY KEY AUTO_INCREMENT,  
    Firstname VARCHAR(45) NOT NULL,  
    LastName VARCHAR(45) NOT NULL,  
    Email VARCHAR(45) NOT NULL,  
    Phone VARCHAR(45) NOT NULL,  
    Address VARCHAR(45) NOT NULL  
);
```




Result Grid

Filter Rows:

Edit:   

Export/Import:  

Wrap Cell Content: 

	VisitorInfoID	Firstname	LastName	Email	Phone	Address
▶	1	John	Doe	john@example.com	123-456-7890	123 Main Street
	2	Jane	Smith	jane@example.com	987-654-3210	456 Elm Street
	3	Alex	Johnson	alex@example.com	555-123-4567	789 Oak Avenue
	4	Ella	Williams	ella@example.com	222-333-4444	567 Pine Street
	5	Adam	Brown	adam@example.com	111-222-3333	890 Cedar Avenue
	6	John	Doe	john@example.com	123-456-7890	123 Main Street
	7	Jane	Smith	jane@example.com	987-654-3210	456 Elm Street
	8	Alex	Johnson	alex@example.com	555-123-4567	789 Oak Avenue
	9	Ella	Williams	ella@example.com	222-333-4444	567 Pine Street
	10	Adam	Brown	adam@example.com	111-222-3333	890 Cedar Avenue
▲	NULL	NULL	NULL	NULL	NULL	NULL

VisitorInfo 15 x

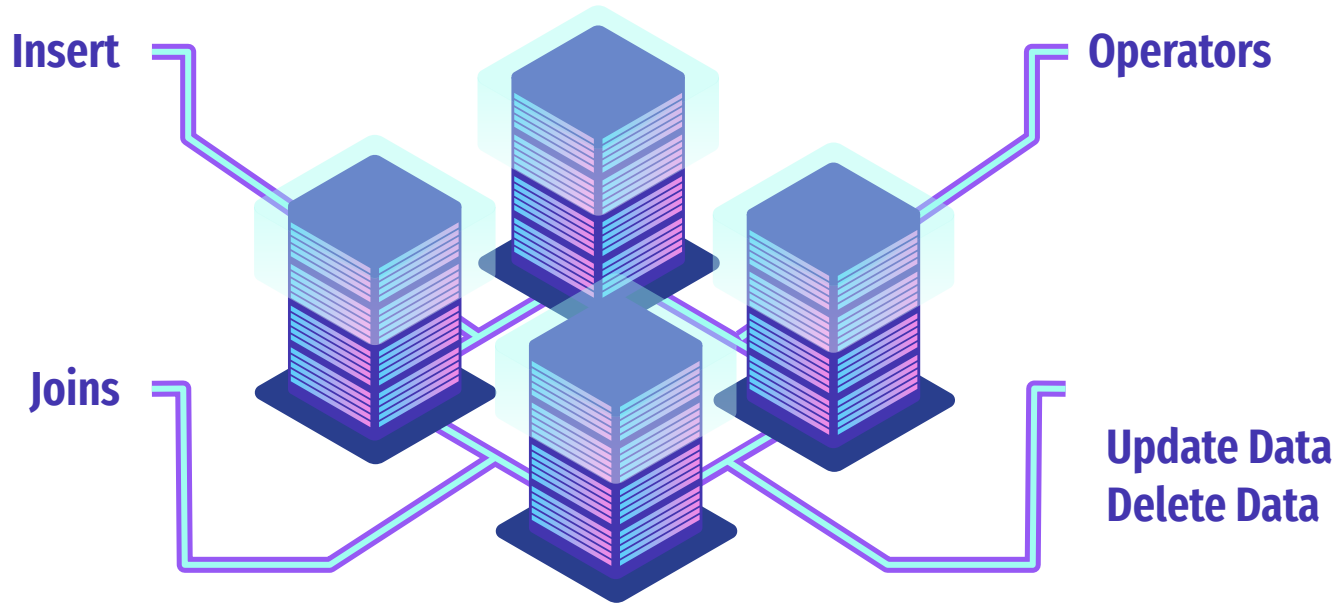
Result Grid

Form Editor

Field Types

Apply Revert







After Mid-Term



Insert Function

```
INSERT INTO VisitorInfo (Firstname, LastName, Email, Phone, Address) VALUES  
( 'John', 'Doe', 'john@example.com', '123-456-7890', '123 Main Street'),  
( 'Jane', 'Smith', 'jane@example.com', '987-654-3210', '456 Elm Street'),  
( 'Alex', 'Johnson', 'alex@example.com', '555-123-4567', '789 Oak Avenue'),  
( 'Ella', 'Williams', 'ella@example.com', '222-333-4444', '567 Pine Street'),  
( 'Adam', 'Brown', 'adam@example.com', '111-222-3333', '890 Cedar Avenue');
```



Result Grid						
Filter Rows: <input type="text"/>						
Edit:   						
Export/Import:  						
Wrap Cell Content: 						
VisitorInfoID	Firstname	LastName	Email	Phone	Address	
1	John	Doe	john@example.com	123-456-7890	123 Main Street	
2	Jane	Smith	jane@example.com	987-654-3210	456 Elm Street	
3	Alex	Johnson	alex@example.com	555-123-4567	789 Oak Avenue	
4	Ella	Williams	ella@example.com	222-333-4444	567 Pine Street	
5	Adam	Brown	adam@example.com	111-222-3333	890 Cedar Avenue	
6	John	Doe	john@example.com	123-456-7890	123 Main Street	
7	Jane	Smith	jane@example.com	987-654-3210	456 Elm Street	
8	Alex	Johnson	alex@example.com	555-123-4567	789 Oak Avenue	
9	Ella	Williams	ella@example.com	222-333-4444	567 Pine Street	
10	Adam	Brown	adam@example.com	111-222-3333	890 Cedar Avenue	
NULL	NULL	NULL	NULL	NULL	NULL	

VisitorInfo 15 x

Apply Revert

Result Grid

Form Editor

Field Types

sum

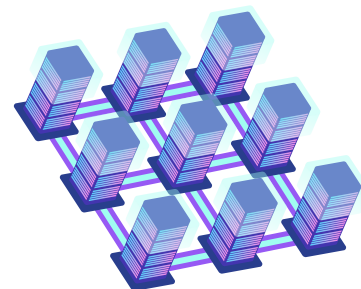
```
-- Calculate total revenue generated from reservations  
SELECT SUM(Total_Amount) AS TotalRevenue FROM Invoices;
```

154 • `SELECT SUM(Total_Amount) AS TotalRevenue FROM Invoices;`

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

TotalRevenue
575.00

Result 20 x Read Only



Operators



AND

```
SELECT * FROM Reservations WHERE VisitorInfoID = 1 AND Payment_Information = 'Credit Card';
```



OR

```
SELECT * FROM VisitorInfo WHERE Address = '123 Main Street' OR Address = '456 Elm Street';
```


Output For AND, OR, IN Operator



AND Operator

160 • `SELECT * FROM Reservations WHERE VisitorInfoID = 1 AND Payment_Information = 'Credit C`
161

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

ReservationID	VisitorInfoID	Date	Number_of_Guests	Payment_Information	Special_Requests
1	1	2023-07-10	3	Credit Card	Vegetarian meals
NULL	NULL	NULL	NULL	NULL	NULL

Reservations 22 x | Apply | Revert



OR Operator

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

VisitorInfoID	Firstname	LastName	Email	Phone	Address
1	John	Doe	john@example.com	123-456-7890	123 Main Street
2	Jane	Smith	jane@example.com	987-654-3210	456 Elm Street
6	John	Doe	john@example.com	123-456-7890	123 Main Street
7	Jane	Smith	jane@example.com	987-654-3210	456 Elm Street
NULL	NULL	NULL	NULL	NULL	NULL

VisitorInfo 23 x | Apply | Revert

Update And Delete Data



Update Data

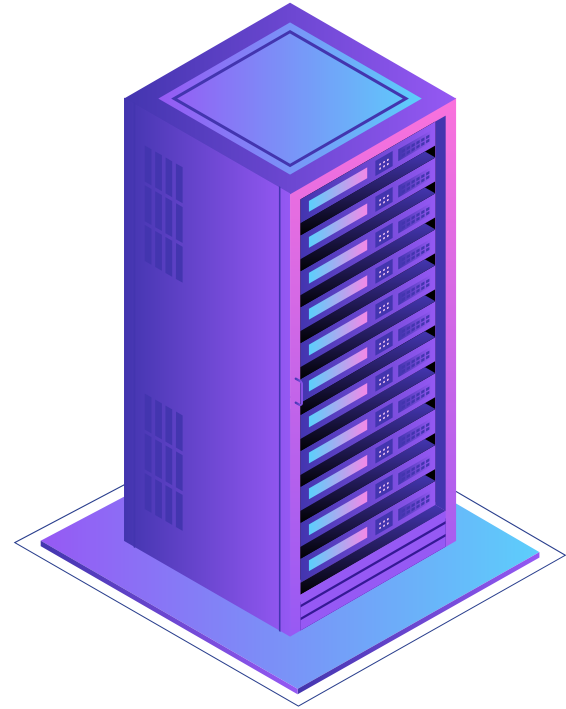


Delete Data

Delete Data

```
-- Delete a specific feedback entry  
DELETE FROM Feedback WHERE FeedbackID = 1;
```

Result Grid					
Filter Rows: <input type="text"/>					
Edit:					
Export/Import:					
Wrap Cell Content					
	FeedbackID	VisitorInfoID	Date	Rating	Comments
▶	2	2	2023-02-10	5	Wonderful tour with knowledgeable guides
	3	3	2023-03-15	5	Good, but room for improvement
	4	4	2023-04-20	5	Absolutely fantastic!
	5	5	2023-05-25	4	Enjoyed the scenic views.
*	NULL	NULL	NULL	NULL	NULL

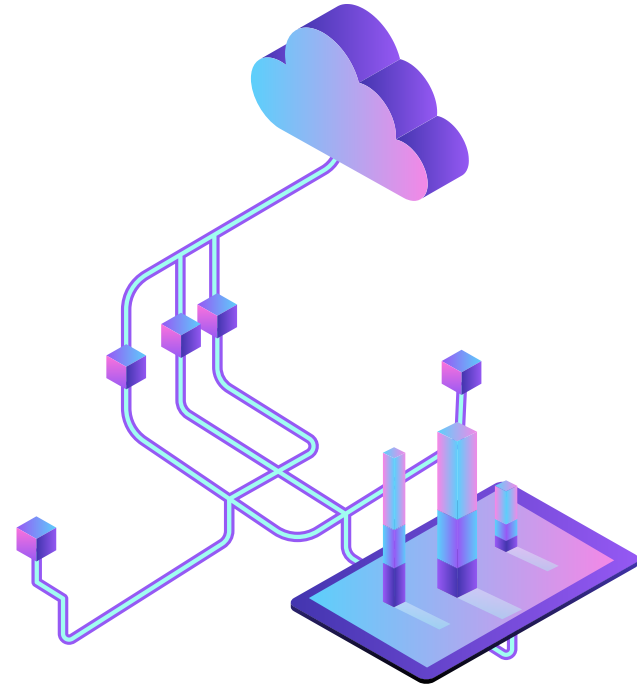


Update Data

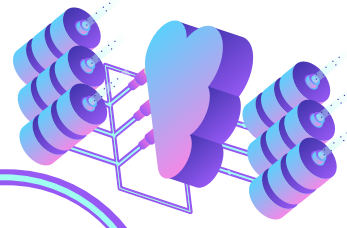
```
-- Update the rating in the Feedback table
```

```
UPDATE Feedback SET Rating = 5 WHERE FeedbackID = 3;
```

Result Grid					
Filter Rows: <input type="text"/>					
Edit: Export/Import: Wrap Cell Contents: <input type="checkbox"/>					
	FeedbackID	VisitorInfoID	Date	Rating	Comments
▶	2	2	2023-02-10	5	Wonderful tour with knowledgeable guides
	3	3	2023-03-15	5	Good, but room for improvement
	4	4	2023-04-20	5	Absolutely fantastic!
	5	5	2023-05-25	4	Enjoyed the scenic views.
*	NULL	NULL	NULL	NULL	NULL



Front END



Conclusion

The "Eco Tourism Management Database" project represents a significant step toward improving the efficiency and sustainability of our ecotourism operations. By implementing this database, we aim to enhance visitor experiences, promote conservation efforts, and streamline administrative tasks. We believe that this project will have a positive impact on our organization and the broader ecotourism community.

THE END