



# Travel agency management system

*Presented by : The Tomorrow Team*

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# Context

- Introduction to the Globetrek Tours Website
- System Requirements
- System architecture and overview
- Website design and layout
- Registration Page Features
- Login Page Features
- Database Overview
- Output Screens
- Recap of key points
- Thank You

# Introduction to Globetrek Tours

## About Globetrek Tours

Website to provide all the services for tourism at one place.

Provides a user-friendly interface designed uniquely for both travel agents and clients.

A customer relationship management (CRM) system that helps travel agencies track their leads and bookings.

Component-based styling approach.

## Agenda

Tech Stack Overview: Featuring Angular for a dynamic frontend and .NET web api for a robust backend.

Smooth communication between the frontend and backend.

Integration of Entity Framework within .NET web api for seamless interaction with the database, ensuring data integrity and efficiency.

# System Requirements:

## Hardware Requirements

- Processor: Intel I5
- RAM: 8 GB

## Software Requirements

- Operating System: Windows, Linux, Cloud-based solutions
- Programming
- Languages: HTML, CSS, JS, TS, Angular
- Platforms: Visual Studio, Visual Studio Code
- Libraries: Entity Framework Core, Web API, Collections

# System architecture overview

## 01

The website uses web technology Angular, for front end to deliver a modern and robust platform for online tour management.

## 02

The backend uses ASP .NET Core Web API to provide the core software of the website.

## 03

The database uses SQL integration for storage and retrieval of data.

- Angular is a popular open-source front-end web application framework maintained by Google and a community of developers. It is designed to simplify and streamline the process of building dynamic, single-page web applications (SPAs) and supports the development of large-scale, feature-rich applications.
- Angular follows a component-based architecture, where the application is structured as a tree of reusable components. Each component encapsulates its own logic, template, and styles, promoting modularity and maintainability.
- Angular provides two-way data binding, allowing automatic synchronization between the model (data) and the view (UI).



- ASP.NET Core Web API is a framework developed by Microsoft as part of the ASP.NET Core platform. It enables developers to build and expose RESTful APIs (Application Programming Interfaces) that can be consumed by various clients, such as web applications, mobile apps, and other services.
- ASP.NET Core Web API is cross-platform, supporting Windows, macOS, and Linux.
- The framework is designed to be lightweight and optimized for high performance.
- built on the ASP.NET Core framework, providing a unified platform for developing web applications and services.

# ASP.NET Core Web API



## CRUD Operations and API Endpoints



### CRUD Operations:



1.Create (POST)



2.Read (GET)



3.Update (PUT/PATCH)



4.Delete (DELETE)



# TravelAgencyCapestone <sup>1.0</sup> <sup>OAS3</sup>

<https://localhost:7163/swagger/v1/swagger.json>

## Admin

**POST** /api/Admin/Register

**POST** /api/Admin/AdminLogin

## Bookings

**GET** /api/Bookings

**POST** /api/Bookings

**GET** /api/Bookings/{id}

**PUT** /api/Bookings/{id}

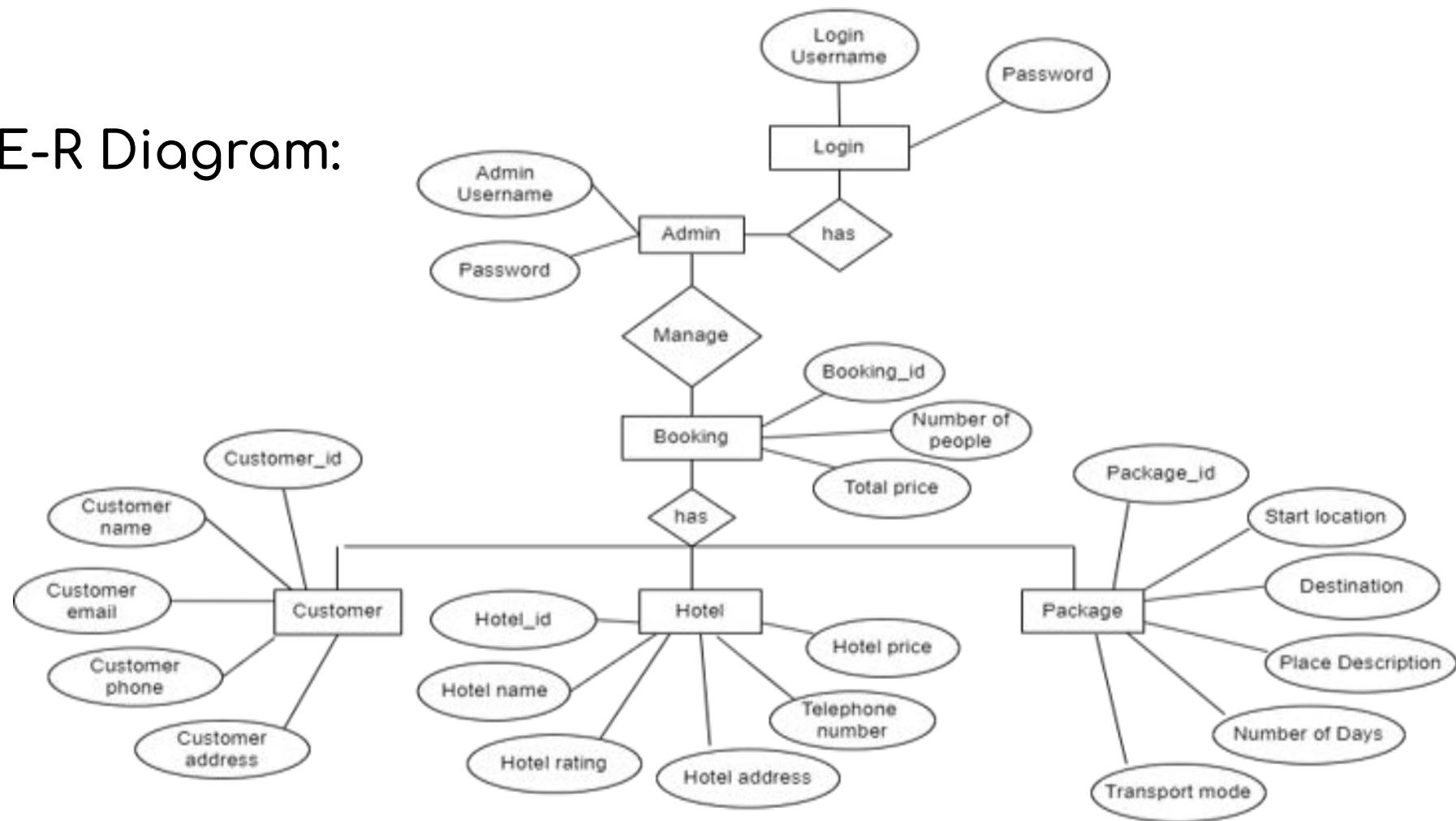
**DELETE** /api/Bookings/{id}

## CustomerDetails

- SQL, or Structured Query Language, is a domain-specific programming language used for managing and manipulating relational databases.
- It serves as a standard interface for interacting with databases, enabling users to define, query, update, and manage data within a relational database management system (RDBMS).
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## E-R Diagram:



# Website Design and Layout

## Key Elements

- Color scheme, Fonts, and overall design elements.
- Responsive design for seamless user experience on various devices.
- Utilization of HTML, CSS, and Angular for structuring and styling
- The design elements reflects the fun and travel-centric nature of the business.



- Interactive maps provides detailed information about tour destinations.
- Customizable itineraries for each tour package based on customer preferences.
- Integration of real-time packages and accommodation information.
- Admin has management access over the data, allowing admin to perform crud operations, while allowing customers to only view data.

# Features:



- **User Authentication:** Secure login and registration for customers and administrators.
- **Customer Management:** View information
- **Booking System:** Develop a admin interface for admin to search and book travel services, Including options for hotels, transportation and activities.
- **Hotel Booking:** Admin can add and edit data based on location, price, and amenities.
- **Package Management:** Creation and customization of travel packages. Dynamic pricing based on selected components.

# User Accounts Overview

## Process

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- Separate User Processes
- Dedicated Tables for Admin and Customer Registration
- Credentials Validation
- Intuitive System Navigation

## Importance

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- Implementing distinct login and registration processes tailored for administrators and customers ensures a clear and organized system.
- User login credentials undergo thorough validation, cross-referencing the provided information with the respective admin and customer tables. This enhances security and accuracy in user authentication.


# Login Form

Enter your Username:

Enter your Password:

Login

Don't have an account? 


Admin login? 


# Admin Login Form

Admin Username:

Admin Password:

submit

Don't have an account? 

customer login? 

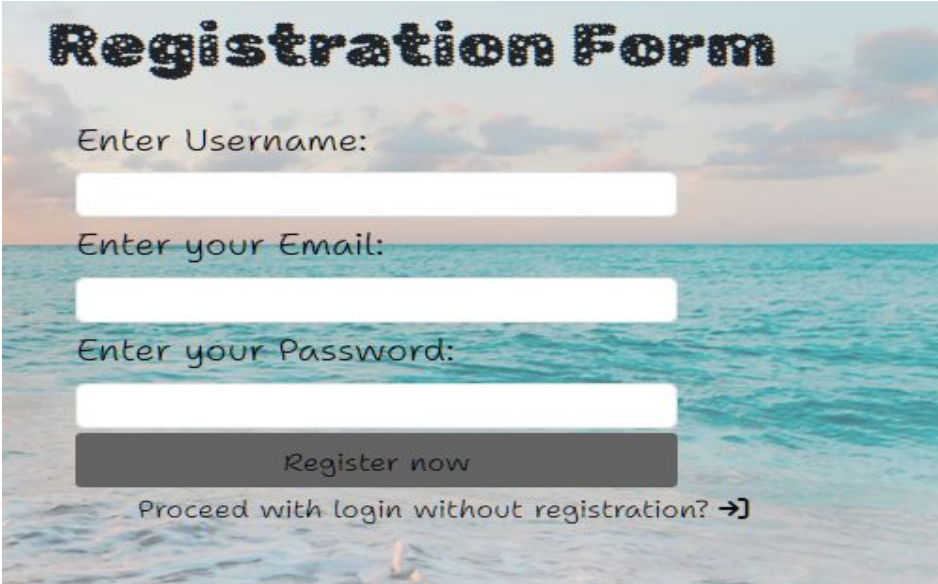


# Registration Page Features

## Elements on the Registration Page

- Username field
- Email field
- Password field

Registration button only gets activated only after all fields are entered and validated according to given format

A registration form overlay on a background image of a beach at sunset. The form has a title 'Registration Form' in a bold, black, slightly distressed font. Below the title are three input fields: 'Enter Username:', 'Enter your Email:', and 'Enter your Password:'. Each field is a simple white rectangle. Below the password field is a dark grey button with the text 'Register now' in white. At the bottom of the form is a link that says 'Proceed with login without registration? →']

**Registration Form**

Enter Username:

Enter your Email:

Enter your Password:

Register now

[Proceed with login without registration? →\]](#)

# Login Page Features

A login form with a background image of a beach at sunset. The form has a title 'Login Form' in a bold, black, serif font. Below the title are two input fields: 'Enter your Username:' and 'Enter your Password:'. Below the password field is a dark grey 'Login' button. At the bottom, there are two links: 'Don't have an account?' with a person icon and 'Admin login?' with a crown icon.

**Login Form**

Enter your Username:

Enter your Password:

Login

Don't have an account? 

Admin login? 

Elements on the login page

- Username field
- Password field

Login button only gets activated only after all fields are entered and validated.

Has options to login as admin or to register as a new user.

# Data Administration Overview

## Features:

- Data administration can be done only through admin login.
- Creating a new entry, updating an existing entry, Viewing details of individual entries can be done.
- Data entered or edited here is reflected in the database through api calls.
- Data is represented on front end using tables.

## Tour Package List

Package Id	Start Location	Destination	Place Description	Number Of Days	Transport Mode	Package Price			
d162e3db-2321-4bb2-1388-08dc05197381	Bangalore	Himalayas	Leh ladhak, pangong lake, manali	10	train	5000	Edit	Details	Delete
ad3da406-aa56-42b0-138b-08dc05197381	Hyderabad	Kerala	munnar, kochi, alleley	17	bus	2000	Edit	Details	Delete
589825e4-d0f1-4faa-49e4-08dc05e8f041	khammam	himachal pradesh	Manali, Leh ladhak, pangong lake	5	train	7000	Edit	Details	Delete
8dd8c6af-f4fc-47ca-49e5-08dc05e8f041	Chennai	Bali	Ubdu, tanah lot, uluwatu	8	bus	80000	Edit	Details	Delete
3a485c14-0086-4d65-49e6-08dc05e8f041	Delhi	Sikkim	Gangtok, Tsomgo Lake, Nathula Pass	3	Train	4000	Edit	Details	Delete

Add Package

# Customer UI Overview

- Customer can only view data through login.
- Data displayed here is from the database through api calls.
- Data is represented on front end using <p> tags.

## Tour Package List

### Himalayas

Embark on an unforgettable journey starting at the enchanting **Bangalore**.

Your destination? The breathtaking **Himalayas**, reached with comfort and style via **train**.

Our meticulously crafted package unfolds a world of wonders, exploring the captivating **Leh ladhak, pangong lake, manali** over **10** glorious days.

The total price of this extraordinary experience? A mere **5000**, making priceless memories within reach.

# Customer Support and Assistance

Let's talk...

- A navigation map is displayed on the contact us page, allowing the user to know the location of the Workplace.
- In the contact us page, along with address of the workplaces, email and contact numbers are given.
- **Integration with social media:** In the footer of the each web page, social media links are placed, to allow user communicate or get in touch via respective media.

First Name:  Last Name:

Email:

Confirm Email:

Your Location:

Tell us about your ideal tour:

[get in touch](#)

# Database Overview



Utilization of SQL Server for data storage



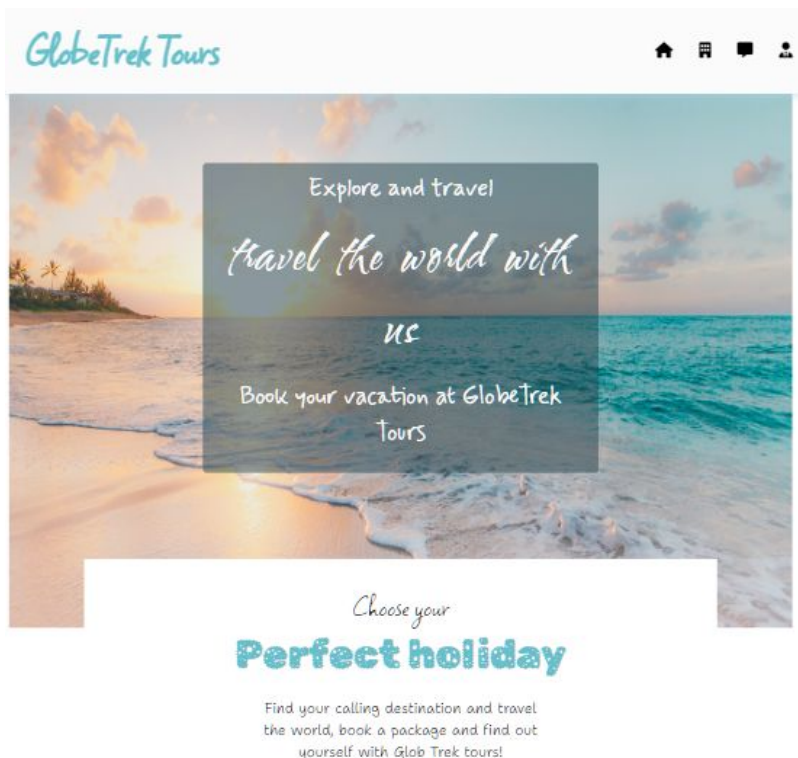
Scalable and robust architecture to support future growth



Secure handling of customer information

A Few Output screens

# Home page:



Take a look at our interesting packages and the locations covered by those packages. Explore the enticing variety of our intriguing packages, each meticulously designed to cater to your unique preferences and interests. Delve into the diverse array of destinations included in these packages, offering you an immersive experience that goes beyond the ordinary. From breathtaking landscapes to culturally rich cities, our packages provide a comprehensive journey, ensuring that every traveler finds something special. Embark on an adventure with us and discover the hidden gems and extraordinary landscapes waiting to be explored in the destinations covered by our thoughtfully curated packages.



Leh Ladakh



Pangong Lake



Manali





Go and discover

## BREATH TAKING CITIES



### Restaurants

Get a taste of the local delicacies.



### Sightseeing

See what many tourists miss often.



### Shops & Boutiques

attractive local famous shopping places.



### Where to Stay

Check out your favourite places to stay

## Our Customers say...



"I went on a great vacation to Bali, with cousins and close friends. It was the

best experience ever, planning was detailed and organized." - Nishant

"Loved the organisation of the entire tour plan, added time for relaxing too. Thank you GlobeTrek, for

this. It is a good experience." - Rudra, Arthi



Subscribe now and quench your wonderlust [subscribe](#)

### Contact Info

Email: [info@example.com](mailto:info@example.com)

Phone: +1 123 456 789

Address: 123 Main Street,  
Cityville

### News letter

### Our Recent Posts

- Visit Thailand, Bali And China  
September 7, 2016
- Visit Thailand, Bali And China  
September 7, 2016

### our Social media

platforms

- [@Instagram](#)
- [YouTube](#)
- [Twitter](#)
- [Facebook](#)

# About us:

## Founder: Siddiq Shaik

Siddiq, a seasoned traveler and visionary, laid the foundation of GlobeTrek Tours with a passion for exploring the world and sharing those experiences with others. Siddiq's dedication to curating exceptional travel experiences has been the driving force behind the agency's success.

**Management:** GlobeTrek Tours is led by a team of travel enthusiasts who bring a wealth of experience and expertise to the table:

Siddiq - Founder & CEO

Kruthika - Travel Experience Specialist

Varsha - Head of Customer Relations

Saranya - Chief Operating Officer

## Customers Who Trust Us:

Our commitment to excellence has earned the trust of a diverse and loyal customer base:

Families seeking memorable vacations Adventure enthusiasts craving unique experiences

Honeymooners in search of romantic getaways Corporate clients for business travel solutions

**Tailored Experiences:** Every journey is crafted to meet the unique preferences of our clients. **Global Network:** Extensive partnerships worldwide for seamless travel arrangements. **Customer-Centric Approach:** Our team is dedicated to ensuring a hassle-

## News letter

Feel free to contact us about any doubts!

Your Name

Your Email

## Latest Posts



[Marvelous temples of bali](#)

Date:  
August 28,  
2022



Our office: Exterior



Our office: Interior



[Architectures of Indian temples](#)

Date: August 25, 2023

Download our app






**Globe trek  
tours**

### Community Engagement:

GlobeTrek Tours actively contributes to local communities and environmental conservation efforts. We believe in leaving a positive impact on the places we visit.

### Join Us on Your Next Adventure!

Embark on a journey of a lifetime with GlobeTrek Tours. Let us turn your travel dreams into reality, creating memories that last a lifetime.

 **Easy Booking:** Effortlessly book flights, hotels, and activities with just a few taps.  **Explore Destinations:** Discover hidden gems and must-visit spots worldwide.  **Trip Itineraries:** Plan your itinerary, set reminders, and never miss a moment.



# Contact us page:

## Hyderabad

📍 123, Jubilee Hills Road,  
Hyderabad - 500033, Telangana,  
India.

☎ +91 8309267822

✉ globetraktours@Hyderabad.in

🕒 9:30 AM to 12:30 PM

## Delhi

📍 456, Connaught Place, New Delhi -  
110001, Delhi, India.

☎ +91 8309267822

✉ globetraktours@Delhi.in

🕒 10:00 AM to 5:30 PM

## Chennai

📍 789, Marina Beach Road, Chennai  
- 600004, Tamil Nadu, India.

☎ +91 8309267822

✉ globetraktours@Chennai.in

🕒 7:00 AM to 3:30 PM

## Let's talk...

First Name: Last Name:

\_\_\_\_\_

Email:

\_\_\_\_\_

Confirm Email:

\_\_\_\_\_

Your Location:

Select here



Tell us about your ideal tour:

\_\_\_\_\_

get in touch



Admin page:

hello

**Adminster Data**

Bookings

Packages

Hotels

Customer

You loged in as admin

Customer page:



Welcome to Globe Trek Tours!

**Lets make a wonderful  
tour!**

Packages

Hotels

# Recap of Key Points

The website offers customizable tour packages with a wide range of categories and destinations.

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Users can personalize their experience through the registration and login process.

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The booking system provides a seamless process for adding tour packages by admin.

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Interactive maps and itineraries offer detailed destination information.

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Customer support includes map, contact options, address, and allows social media integrations.

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The website integrates with social media for marketing and customer engagement.

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# Significance of the Globetrek Tours Website

01

The website positions Globetrek Tours as a modern and customer-centric travel company.

02

It provides a convenient platform for customers to plan, customize, and book their tours with ease.

03

The website's features, including navigation maps and personalized user profiles, enhance the overall tour booking experience.

04

In today's digital age, having a robust online presence is crucial for the success and growth of the travel business.





Any suggestions or queries...



Thank you :)