

## MINI PROJECT

### Formula 1 Connection Hub: Explore, Engage, Elevate

Introducing the "Formula 1 Connection Hub," a dynamic mini project poised to redefine the fan experience in the world of Formula 1. This innovative platform invites fans to explore the sport's rich history, engage in vibrant discussions, and elevate their involvement by seamlessly booking race tickets.

#### Addressing System Limitations and Introducing Unique Solutions

In contrast to typical approaches, our project excels by seamlessly integrating ticket booking right into the websites of each unique team. This simplifies the process for fans, making it more user-friendly. Moreover, the existing setup lacks a space for fans to freely express their hopes and wishes to the teams, a gap that our website effectively addresses.

**Front-End:** React

**Back-End:** ASP .NET Core

#### MODULES:

##### Home Page

- F1 History, Team History
- Drivers, Team Members
- Gallery

##### User Functionality

- Registration and Login
- Ticket Booking
  - Browse and select Race, Book Ticket,
  - Cancel Ticket, Upgrade Ticket
- Fan Poll for Favourite Driver
- Open Forum
  - Create and browse Discussions, View Discussion,
  - Comment on Discussion

##### Admin Functionality

- Content Management
  - Edit F1 History, Edit Team History,
  - Edit Drivers, Manage Team Members,
  - Upload Gallery Images
- Ticket Management
  - Set Ticket Availability, View Ticket Bookings
  - Manage Ticket waiting list, Manage history,
  - Cancel Tickets
- Users Management
  - View Registered Users, Edit User Roles.
- Open Forum Management
  - Approve Discussions, Delete Inappropriate Comments

## FINAL PROJECT

### **Formula 1 Connection Hub: Explore, Engage, Elevate**

Introducing the groundbreaking "Formula 1 Connection Hub," designed to transform fan engagement. This innovative platform seamlessly merges historical exploration, dynamic discussions, and direct race ticket booking into individual team websites. With features like a waiting list and ticket confirmation system, the hub ensures fair ticket access. An interactive "Open Forum" facilitates lively interaction among fans, drivers, and teams. Utilizing cutting-edge technologies like React and .NET, it offers real-time data updates and even driver identification through face detection.

#### **Addressing System Limitations and Introducing Unique Solutions**

The project ingeniously integrates ticket booking into individual team websites, streamlining the process and overcoming a significant conventional system limitation. Moreover, we introduce an integrated store feature within the "Formula 1 Connection Hub," allowing fans to purchase team merchandise directly. The platform also establishes an interactive "Open Forum," fostering real-time interaction among fans, drivers, and teams, thereby creating a vibrant community. With technological advancements including timely updates and driver identification through face detection, our platform redefines engagement. Lastly, teams can create and manage their fan groups, propelling a new era of fan-team connectivity within the Formula 1 landscape.

#### **MODULES:**

##### **Home Page**

- F1 History, Team History
- Drivers, News, Fixtures
- Team Members, Driver standings, Gallery

##### **User Functionality**

- Registration and Login
- Ticket Booking
  - Browse and Select Race, Book Ticket,
  - Cancel Ticket, Manage waiting List
- Fan Poll for Favourite Driver
- Open Forum
  - Create Discussion, Browse Discussions
  - View Discussion, Comment on Discussion
- Face Detection (ML Feature)
  - Upload Image, Camera Access
  - Detected Driver

## **Team Functionality**

### **Team Profile**

Team Information, Team Members  
Achievements

### **Managing open forum**

Create open forums, Browse different forums,  
View forums, Comment on open forums

### **Team Store**

Browse Products, Product Details,  
Add to Cart, Checkout

## **Admin Functionality**

### **Admin Login**

### **Content Management**

Edit F1 History, Edit Team History  
Edit Drivers, Add/Edit News  
Manage Fixtures, Manage Team Members  
Manage Driver Standings, Upload Gallery Images

### **Ticket Management**

Set Ticket Availability, View Ticket Bookings  
Manage Ticket Waiting lists, Cancel Tickets,  
Manage history of tickets sold

### **Login Management**

View Registered Users, Edit User permissions,  
Delete user.

### **Open Forums**

Approve new Discussions, Delete Inappropriate Comments

### **Team Management**

Create Team, Edit Team  
Manage Team Members, Manage Team Store

### **Store Management**

Add Products, Edit Products  
Manage Orders

## **Machine Learning**

Face Detection Model, Manage history of usage.

The " Formula 1 Connection Hub " redefines fan engagement by seamlessly integrating historical exploration, dynamic discussions, and convenient ticket booking. As it evolves, the addition of notifications and responsive design promises a user experience that's informative and adaptable. This hub is poised to be the ultimate destination, connecting fans with their passion for Formula 1 in an unprecedented way.