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# Table of Contents

Introduction .....	<b>1</b>
Objectives .....	<b>2</b>
File Structure.....	<b>3</b>
Functional requirements .....	<b>4</b>
Non-functional requirements .....	<b>5</b>
Sequence Diagram .....	<b>6</b>

## **Introduction:**

Our web application will be a formula one ticket booking website, where you can see the available races, you can watch and book them. You will be one step closer to experience the world of motorsports.

## **Objectives:**

the website will include the following pages:

sign-up: to create a free account with your personal credentials (first-name, last-name, username, Email-address, phone number, and password).

Login: enter website with your pre-registered account.

View-profile: in this page you can view all of your account information.

Dashboard: will allow you to view your own profile and a schedule for the available races you can enjoy, and it transfers you to the race ticket booking page.

Schedule: contains a table of all the races you can book through the whole season, it also shows the location of the race and its timing.

Ticket-booking: through this page you can book your own ticket for the race you desire and specify the number of tickets you wish to purchase.

MySQL database: we used php my admin to create tables of users, races, tickets, and customers and access these data using node.js.

## **File structure:**

images(folder)

- all images

Public(folder)

- sign up.html

- sign\_up\_script.css

- login.html

- login\_script.css

App.js

Dashboard.html

Dash.css

Schedule.html

Schedule.css

View\_profile.html

View\_profile\_script.css

Ticket\_booking.html

Ticket.css

## **Functional requirements:**

Html pages

Backend functionalities:

- Routing
- authentications
- validations
- data storage

## **Non-functional requirements:**

CSS (page styling)

Performance

Page responsiveness

Usability

Maintainability

Availability

# Sequence diagram:

