

Athlete Tracking Project

Midterm Report

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1. Project Planning and Research

About Athlete Tracking:

Athlete tracking is an important part of sports and fitness management. It helps monitor an athlete's performance, growth, and overall progress. With the use of technology, such as databases and web applications, sports schools can manage training sessions, track performance data, and keep financial records more easily. Many modern systems include features like progress charts, payment reminders, and detailed reports to help with decision-making. These tools are used in sports schools and gyms to support athletes and make work more efficient. This project aims to create an easy-to-use system that meets the needs of sports schools.

Technologies Planning to Use:

- **Frontend:** HTML, CSS, ASPX for user interfaces.
- **Backend:** ASP.NET Core for server-side logic.
- **ORM:** .NET Entity Framework Core for using the database easily
- **Database:** MSSQL Server for storing and managing data.
- **Tools:** Visual Studio (for development), SQL Server Management Studio (for database management), Figma (for designing).

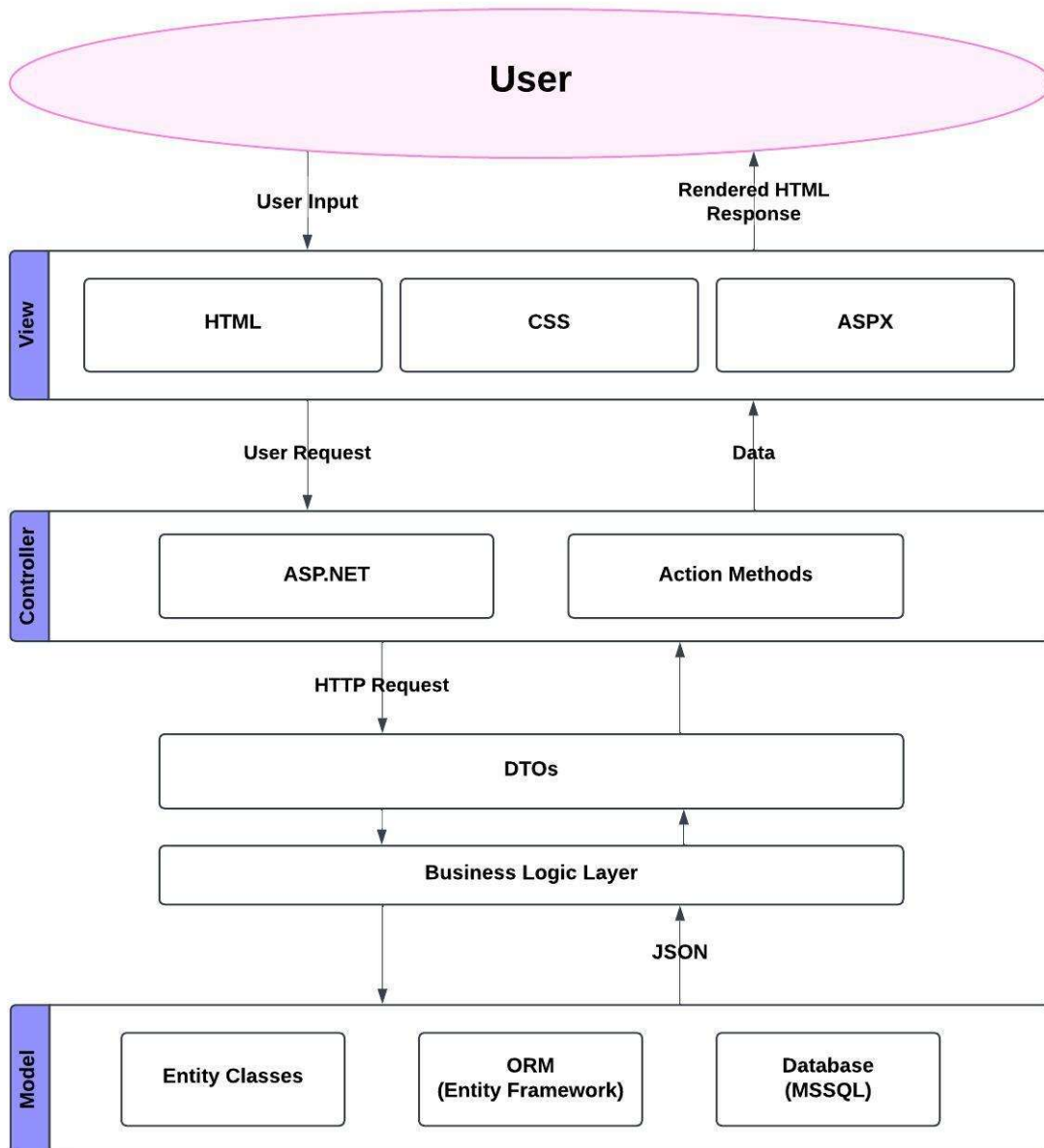
ASP.NET Core is ideal for server-side programming due to its cross-platform capabilities and integration with modern tools.

MSSQL Server offers strong relational database management features that align well with the structured nature of the data.

In the .NET environment, using **ASP.NET Core**, **MSSQL Server** and **Entity Framework Core** is easier because they work well together, are fast, and help create secure and reliable applications. ASP.NET Core makes it simple to build web applications, and MSSQL Server helps store and manage data effectively.

2. Design

High-Level Diagram:



User Interfaces:

LoginPage:



A login form UI mockup centered on a white background. The form is a blue rounded rectangle with a white title 'TITLE' at the top. Below the title are three input fields: 'Email', 'Password', and 'Role' (a dropdown menu with a downward arrow). To the right of the 'Password' field is a link that says 'Don't have an account'. At the bottom right of the form is a button labeled 'LOGIN'.

RegisterPage:



A register form UI mockup centered on a white background. The form is a blue rounded rectangle with a white title 'TITLE' at the top. Below the title are four input fields: 'Full Name', 'Email', 'Password', and 'Confirm Password'. To the right of the 'Confirm Password' field is a link that says 'Already have an account'. At the bottom right of the form is a button labeled 'REGISTER'.

HomePage(Student):

TITLE

Sessions

My Sessions

My Records

Instructors

Payment

Name

SessionsPage(Student):

TITLE

Sessions

My Sessions

My Records

Instructors

Payment

Name

Swimming
Date : Monday
Time : 17:00-18:00
Instructor: H. Yahya Ünal
Branch : Pendik
Cancel

Basketball
Date : Thursday
Time : 14:00-16:00
Instructor: Zeynep Demir
Branch : Kadıköy
Register

Fitness
Date : Tuesday
Time : 15:00-22:00
Instructor: Ahmet Yılmaz
Branch : Üsküdar
Cancel

Basketball
Date : Sunday
Time : 19:00-20:00
Instructor: Zeynep Demir
Branch : Kadıköy
Register

Fitness
Date : Saturday
Time : 15:00-22:00
Instructor: Ömer Taş
Branch : Maltepe
Register

Swimming
Date : Thursday
Time : 17:00-18:00
Instructor: H. Yahya Ünal
Branch : Pendik
Register

Tennis
Date : Wednesday
Time : 12:00-13:00
Instructor: Aslı Öztürk
Branch : Pendik
Register

Tennis
Date : Friday
Time : 16:00-17:00
Instructor: Aslı Öztürk
Branch : Pendik
Register

MySessionPage(Student):

TITLE

Sessions

My Sessions

My Records

Instructors

Payment

Name

Swimming

Date : Monday

Time : 17:00-18:00

Instructor: H. Yahya Ünal

Branch : Pendik

Cancel

Fitness

Date : Tuesday

Time : 15:00-22:00

Instructor: Ahmet Yılmaz

Branch : Üsküdar

Cancel

MyRecordsPage(Student):

TITLE

Sessions

My Sessions

My Records

Instructors

Payment

Name

Graphic for height

Graphic for weight

Graphic for bmi (body mass index)

InstructorsPage(Student):

TITLE

Sessions
My Sessions
My Records
Instructors

Payment

Name

H. Yahya Ünal
Specialization : Swimming
Email : yahyaunal89@gmail.com

Ömer Taş
Specialization : Fitness
Email : omertas123@gmail.com

Zeynep Demir
Specialization : Basketball
Email : zynpdemir57@gmail.com

Ahmet Yılmaz
Specialization : Fitness
Email : ahmtlymz34@gmail.com

Aslı Öztürk
Specialization : Tennis
Email : asloztrk05@gmail.com

PaymentPage(Student):

TITLE

Sessions
My Sessions
My Records
Instructors

Payment

Name

January
Amount: 0,00₺
Pay

February
Amount: 0,00₺
Pay

March
Amount: 0,00₺
Pay

April
Amount: 0,00₺
Pay

May
Amount: 0,00₺
Pay

June
Amount: 0,00₺
Pay

July
Amount: 0,00₺
Pay

August
Amount: 0,00₺
Pay

September
Amount: 0,00₺
Pay

October
Amount: 0,00₺
Pay

November
Amount: 0,00₺
Pay

December
Amount: 0,00₺
Pay

InfoPage(Student):

TITLE

Sessions
My Sessions
My Records
Instructors

Payment
Name

Name
Email

Name

Email

Date of Birth

Save Changes

Current Password

New Password

Confirm Password

Change

H. Yahya Ünal

Specialization : Swimming
Email : yahyaunal89@gmail.com

HomePage(Instructor):

TITLE

My Sessions
My Students

Name

MySessionsPage(Instructor):

TITLE

My Sessions

My Students

Name

Swimming

Date : Monday

Time : 17:00-18:00

Instructor: H. Yahya Ünal

Branch : Pendik

Cancel

Swimming

Date : Thursday

Time : 17:00-18:00

Instructor: H. Yahya Ünal

Branch : Pendik

Cancel

+

AddSessionPage(Instructor):

TITLE

My Sessions

My Students

Name

Swimming

Date : Monday

Time : 17:00-18:00

Instructor: H. Yahya Ünal

Branch : Pendik

Cancel

Swimming

Date : Thursday

Time : 17:00-18:00

Instructor: H. Yahya Ünal

Branch : Pendik

Cancel

Swimming

Date : Monday V

Start Time : 12:00 V

End Time : 13:00 V

Branch : Maltepe V

Add Session

+

MyStudentsPage(Instructor):

TITLE

My Sessions

My Students

Mehmet Süt

İrem Çalışkan

Merve Sevgi

Cengiz Gül

Name

AddRecordPage(Instructor):

TITLE

My Sessions

My Students

Mehmet Süt

İrem Çalışkan

Merve Sevgi

Cengiz Gül

Mehmet Süt

Weight (kg)

Height (cm)

Comment(Optional)

Add Record

Name

InfoPage(Instructor):

TITLE

My Sessions
My Students

Name

Name
Email

Name

Email

Save Changes

Current Password

New Password

Confirm Password

Change

HomePage(Admin):

TITLE

Sessions
Students
Instructors
Branchs

Name

SessionsPage(Admin):

TITLE

Sessions

Students
Instructors
Branchs

Name

Swimming

Date : Monday
Time : 17:00-18:00
Instructor: H. Yahya Ünal
Branch : Pendik

Cancel

Fitness

Date : Tuesday
Time : 15:00-22:00
Instructor: Ahmet Yılmaz
Branch : Üsküdar

Cancel

Fitness

Date : Saturday
Time : 15:00-22:00
Instructor: Ömer Taş
Branch : Maltepe

Cancel

Tennis

Date : Wednesday
Time : 12:00-13:00
Instructor: Aslı Öztürk
Branch : Pendik

Cancel

Basketball

Date : Thursday
Time : 14:00-16:00
Instructor: Zeynep Demir
Branch : Kadıköy

Cancel

Basketball

Date : Sunday
Time : 19:00-20:00
Instructor: Zeynep Demir
Branch : Kadıköy

Cancel

Swimming

Date : Thursday
Time : 17:00-18:00
Instructor: H. Yahya Ünal
Branch : Pendik

Cancel

Tennis

Date : Friday
Time : 16:00-17:00
Instructor: Aslı Öztürk
Branch : Pendik

Cancel

+

StudentsPage(Admin):

TITLE

Students

Sessions
Instructors
Branchs

Name

Mehmet Süt

İrem Çalışkan

Merve Sevgi

Cengiz Gül

InstructorsPage(Admin):

TITLE

Sessions

Students

Instructors

Branchs

Name

H. Yahya Ünal
Swimming

Ahmet Yılmaz
Fitness

Ömer Taş
Fitness

Aslı Öztürk
Tennis

Zeynep Demir
Basketball

BranchsPage(Admin):

TITLE

Sessions

Students

Instructors

Branchs

Name

Pendik
(551) 958 5674

Kadıköy
(554) 435 7896

Maltepe
(534) 768 9551

Üsküdar
(545) 947 8048

+

AddBranchPage(Admin):

TITLE

Sessions
Students
Instructors
Branchs

Name

Pendik
(551) 958 5674

Kadıköy
(554) 435 7896

Maltepe
(534) 768 91

Üsküdar
(545) 947 81

District v

Phone

Add Branch

+

3. Database Design and Diagrams

For Student:

- Name of Student
- User Information
- Birthday of Student (Day of Birth)
- Instructor of Student

For Branch:

- District of Branch
- Phone Number of Branch

For Admin:

- Name of Admin
- User Information

For Instructor:

- Name of Instructor
- Specialization of Instructor
- User Information

For Session:

- Instructor of Session
- Session Name
- Branch of Session
- Start and End Time of Session

For Payment:

- Student who is responsible for payment
- Month paid or unpaid
- Due Date of Payment
- Amount of Payment
- Status of Payment (Paid, Unpaid)

For Development Record:

- Student who we want to follow
- Date of Development Information
- Height and Weight of Student
- Comments of Coach or Instructor for Student

For User:

- Email
- Password
- Role (Admin, Student, Instructor)

Diagrams of Database:

