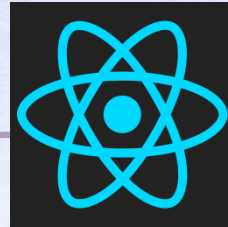


# Simple Online Game Development With MS SignalR & React Typescript



# Main Topics

1. User Authentication with SQL Database
2. Create Frontend UI with React TS
3. Create JWT Token
4. Create Refresh Token
5. Create Tic Tac Toe Game interface
6. Create SignalR connection with Server
7. Online User management system with SignalR

# 1. User Authentication

1. Creating a Web API Application
2. User Table Migration (to SQL Server)
3. User management
  1. User Registration
  2. User Login
4. Password Hashing

## 2. Create Frontend UI with React TS

### 1. Creating React Typescript Project

1. Use of Global Context
2. Use of Reducer

# 3. JWT Token Use

1. Create Jwt Token
2. Token Validation

# 4. Refresh Token

1. Create Refresh Token
2. Token Refreshing in Real Time with Backend
3. Refresh Token Validation
4. Creating a new Jwt Token in every refresh

# 5. Create Tic Tac Toe Game interface

## ◆ React with Typescript

## 6. Create SignalR connection with Server

- ◆ How to create signalR connection
- ◆ How to deal with online users
- ◆ How to create Private rooms
- ◆ How Play with online Users



# 7. Online User management system with SignalR

- ◆ Online Users cases
  - ◆ User Close the private room
  - ◆ User Logout
  - ◆ User Connection lost