SuperSport - C4 Architecture Document
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## 1. Project Overview

SuperSport is a modern sports website that offers users personalized sports news and game results. Here they can also watch short videos or pictures of games. Get to know the players of their favorite teams and their statistics, view team-related accessories or clothing, add them to their cart and purchase them.

## 2. Technology Stack
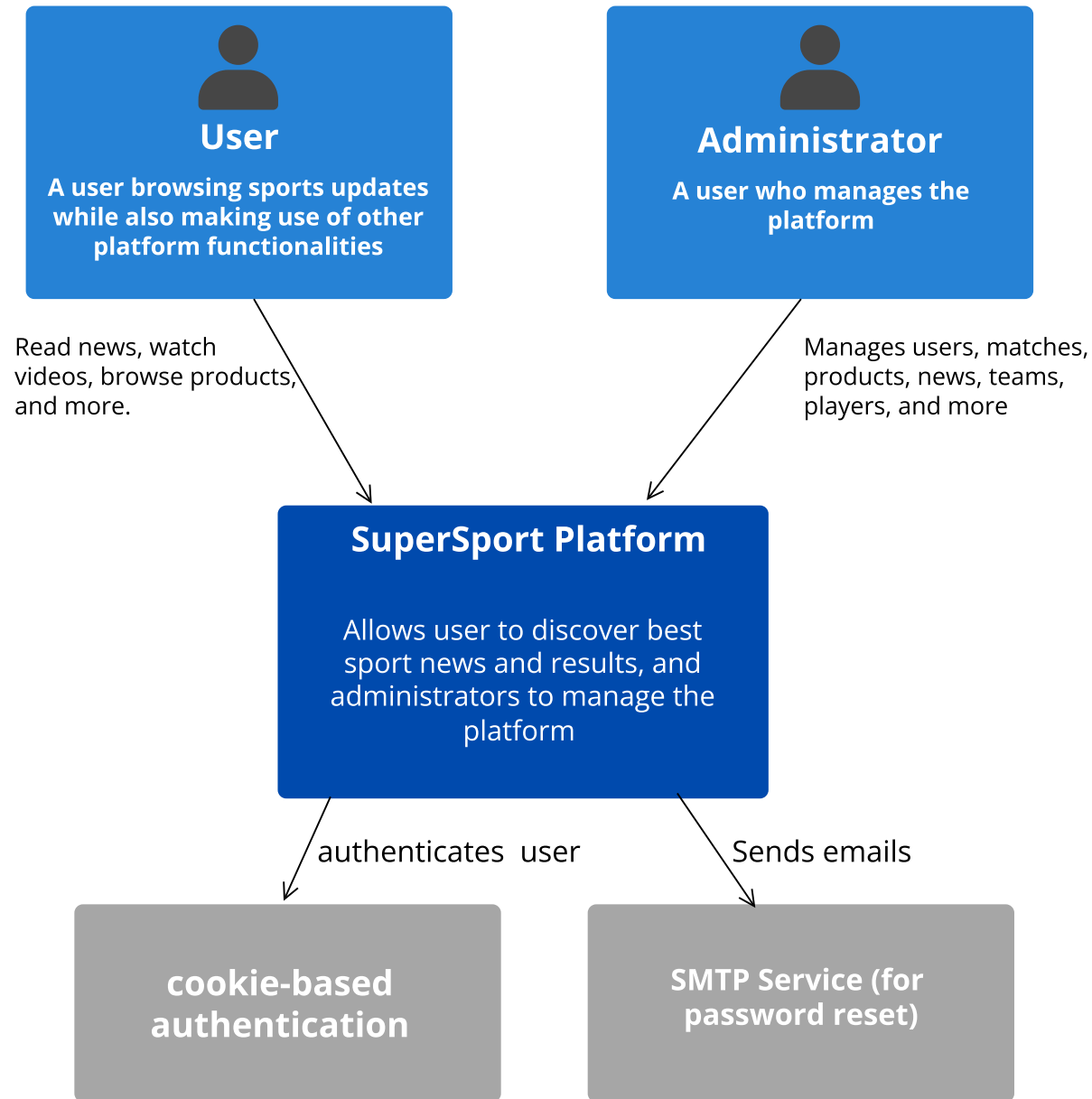
### Frontend

- Angular
- Typescript
- Bootstrap
- Responsive design

### Backend

- C# - Modern programming language
- ASP.NET Core, Entity Framework
- SQL Server - database
- Cookie-based authentication
- Email Service (for password reset)

# System Context diagram for SuperSport Platform

**User**

A user browsing sports updates while also making use of other platform functionalities

**Administrator**

A user who manages the platform

Read news, watch videos, browse products, and more.

Manages users, matches, products, news, teams, players, and more

## SuperSport Platform

Allows user to discover best sport news and results, and administrators to manage the platform

authenticates  user

Sends emails

**cookie-based authentication**

**SMTP Service (for password reset)**

# Container diagram for SuperSport Platform

**User**

**A user browsing sports updates while also making use of other platform functionalities**

**Administrator**

**A user who manages the platform**

Uses

[HTTPS]

Uses

[HTTPS]

**SuperSport Platform**

[System]

**Frontend Application**

[Angular 16]

Displays UI, handles routing and sends HTTP requests to backend

**Sends API requests**

[JSON/HTTPS]

**Backend API**

[ASP.NET Core]

**Handles business logic, authentication, and management system**

*Uses*

*[Cookie-based Auth]*

**Sends email using**

[SMTP]

**Public**

- CategoriesCtrl
- MatchesCtrl
- NewsCtrl
- PlayerCtrl
- TeamCtrl
- ProductCtrl
- UserCtrl

**(Admin only APIs)**
- Authorize(Roles = ")

- CategoriesManagementCtrl
- MatchesManagementCtrl
- NewsManagementCtrl
- PlayerManagementCtrl
- TeamManagementCtrl
- ProductManagementCtrl
- UserManagementCtrl

**Email Service**

**Sends emails for password reset**

**Database**

[SQL Server]

Stores user data, categories, news, products and more