

# Portfolio Platform Documentation

## 1. Introduction

Portfolio Platform is a web application that allows users to manage and display their portfolios, including projects, achievements, and other works. The platform supports user authentication, portfolio management, and integration with external APIs (Sports Events and News). The system supports different user roles (Administrator and Editor) with varying levels of access and features a responsive design for both mobile and desktop devices.

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## 2. API Details

### Sports API (via RapidAPI):

- **Endpoint:** /api/sports
- **Description:** Retrieves data about current sports events.
- **Example Response:**

json

```
{
  "events": [
    {
      "name": "Football Match - Team A vs Team B",
      "date": "2024-11-17"
    }
  ]
}
```

### News API (via NewsAPI):

- **Endpoint:** /api/news
- **Description:** Retrieves the latest global news.
- **Example Response:**

json

```
{
  "articles": [
    {
      "title": "News: Global Events",
      "url": "https://example.com"
    }
  ]
}
```

}

#### **Authentication API:**

- **Endpoint for Registration: /auth/register**
  - Allows users to create an account using email, password, first name, last name, age, and gender.
- **Endpoint for Login: /auth/login**
  - Authenticates users via email and password, creating a session.

#### **Portfolio API:**

- **Endpoint for Viewing Portfolio: /portfolio**
    - Retrieves and displays portfolio items with details (title, description, images).
  - **Endpoint for Creating Portfolio Item: /portfolio/create**
    - Allows adding a new portfolio item with a title, description, and images.
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### **4. Design Rationale**

#### **Architecture:**

The application follows the MVC (Model-View-Controller) architectural pattern:

- **Models:** MongoDB Atlas schemas for storing user and portfolio data.
- **Views:** EJS templates for dynamically generating HTML.
- **Controllers:** Logic for interacting with the database and rendering views.

#### **Sessions and Authentication:**

Authentication is handled using Passport.js with a local strategy, and passwords are hashed using bcrypt. Sessions are managed via express-session.

#### **Email Notifications:**

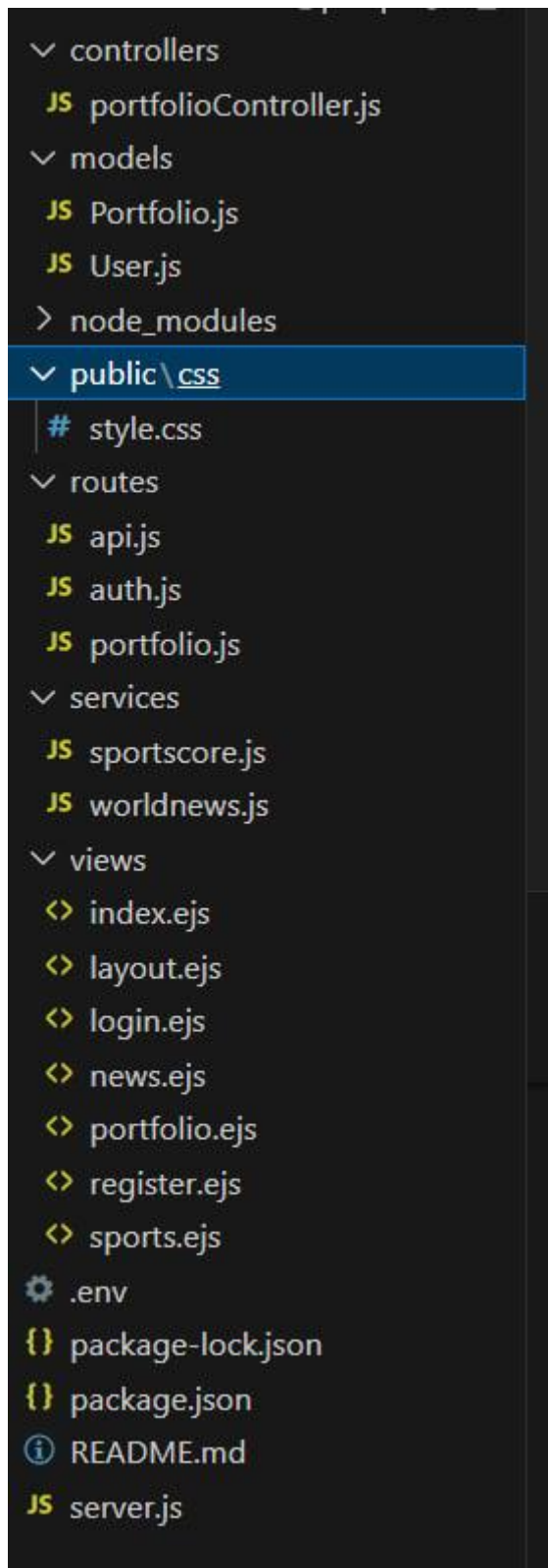
Upon successful registration, a welcome email is sent to the user via Nodemailer using the Gmail SMTP server.

#### **UI/UX:**

The platform has a responsive design ensuring it displays correctly on both mobile and desktop devices. All pages use EJS for rendering data from the server.

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### **5. Структура каталога**



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## 6. Conclusion

The Portfolio Platform offers all the necessary features for managing and displaying a portfolio, along with integration with external APIs for retrieving news and sports events. The system is built with scalability and security in mind, using password hashing, session management, and email notifications.

**The platform can be extended by adding 2FA, improving user roles structure, and supporting cloud-based image storage.**