

Software Requirements Specification (SRS)

For MoviOus - Movie Website

1. Project Overview

MoviOus is a dynamic movie website designed to provide users with an interactive platform to explore, search, and enjoy movies and series. With user-friendly navigation and robust functionality, MoviOus caters to both casual visitors and registered members. Core features include user authentication, category browsing, detailed movie descriptions, and a seamless "watch now" experience.

2. Obstacles

- **Content Scalability:** Efficiently handling large datasets of movies and series without performance degradation.
 - **User Authentication Security:** Ensuring user data and passwords are securely stored and protected.
 - **Responsive Design:** Providing a consistent experience across devices and screen sizes.
 - **Real-Time Search:** Maintaining low latency for search suggestions.
 - **Data Integrity:** Avoiding duplicate records and maintaining accurate user and movie data.
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3. User Features in Detail

3.1 Home Page Features:

- Dynamic display of movie categories: Anime, Popular, Trends, and New Releases.
- Highlight featured movies with banners and descriptions.

3.2 Search Functionality:

- A real-time search bar with dynamic suggestions.
- Capability to search by movie title or keyword.

3.3 User Authentication:

- **Sign-Up:** Secure account creation with validation.

- **Login:** Allows existing users to access personalized features.

3.4 Movie Details Page:

- Displays movie description, release year, maturity rating, and season/episode details.
- "Watch Now" button for immediate access.

3.5 Profile Management:

- Registered users can update profile details.

3.6 Logout Functionality:

- Allows users to log out securely.
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4. Module Details

4.1 Authentication Module:

- Handles user registration and login securely.
- Encrypts user passwords using hashing algorithms.

4.2 Content Display Module:

- Retrieves and displays movie/series details dynamically from the database.

4.3 Search Module:

- Provides search functionality with real-time suggestions.

4.4 Profile Management Module:

- Enables users to update personal details like username or password.

4.5 Admin Module (Future Development):

- Allows administrators to add, update, or remove movie data.
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5. Technology Requirements

5.1 Technology:

- **Frontend:**

- HTML5, CSS3, JavaScript
- **Backend:**
 - PHP for server-side scripting
- **Database:**
 - MySQL for storing user and movie data

5.2 Application and Hardware Requirements:

- **Server:** XAMPP for local development environment.
 - **Client:** Any modern web browser (Chrome, Firefox, Safari, Edge).
 - **Hardware:**
 - Minimum: Dual-core processor, 2GB RAM
 - Recommended: Quad-core processor, 8GB RAM
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6. Application

MoviOus is a web-based application hosted on a local or cloud server. It is accessible from any device with internet connectivity and a compatible browser.

7. Milestones and Reporting

1. **Phase 1: Initial Setup**
 - Complete homepage, signup, and login modules.
 - Test and secure user authentication.
 - Timeline: 2 Weeks.
 2. **Phase 2: Content Integration**
 - Implement movie categories and search functionality.
 - Populate the database with sample content.
 - Timeline: 3 Weeks.
 3. **Phase 3: Design Enhancements and Testing**
 - Ensure responsive design and cross-browser compatibility.
 - Conduct unit testing for all features.
 - Timeline: 2 Weeks.
 4. **Phase 4: Deployment and Feedback**
 - Deploy the application.
 - Gather feedback and address issues.
 - Timeline: 1 Week.
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8. Deployment

- **Environment:** XAMPP for local hosting or a cloud-based hosting platform.
 - **Steps:**
 1. Configure the server environment.
 2. Upload application files and database.
 3. Conduct deployment testing.
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9. Testing

- **Unit Testing:** Ensure individual features function as intended.
 - **Integration Testing:** Validate seamless interaction between modules (search and database).
 - **User Acceptance Testing (UAT):** Involve users to identify usability issues.
 - **Security Testing:** Test for vulnerabilities like SQL injection and password leaks.
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10. Support

- **Technical Support:** Ongoing assistance for bug fixes and performance issues.
 - **Updates:** Periodic updates to add new features and improve usability.
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11. Pricing

MoviOus is a free platform for users. Future premium features may involve subscription plans.

12. Payment Terms

Currently, MoviOus does not involve monetary transactions. Future enhancements may include payment gateways for premium content.

13. Responsibility

- **Frontend Development:** Design and implementation of UI/UX components.
- **Backend Development:** User authentication, database management, and server-side functionality.
- **Database Management:** Creation and maintenance of movie and user tables.

14. Contact Us

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