Software Requirements Specification (SRS)

Project: Neurodivergent Representation in Media – Cinematic Website

Version: 1.0

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1. Introduction

1.1 Purpose

This Software Requirements Specification (SRS) outlines the functional and non-functional requirements for a professional, cinematic, and interactive website focused on **Neurodivergent Representation in Media**. The site serves general audiences, filmmakers, and film students by providing educational content, research findings, guidelines, and visual materials.

1.2 Scope

The website will deliver:

- Informational content about neurodivergent representation in media.
- Interactive tools to engage users.
- Poster gallery.
- Research findings.
- Filmmaking guidelines.
- Contact form.

The system includes a CMS for content updates, responsive frontend UI, and accessibility features.

1.3 Stakeholders

- **Primary Users:** General audiences, filmmakers, film students.
- **Secondary Users:** Researchers, educators, advocacy groups.
- **Admin Users:** Website owner/content manager.

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2. Overall Description

2.1 Product Perspective

The website is a standalone system with modular components. It provides a cinematic visual experience inspired by film studio websites.

2.2 User Classes and Characteristics

- **General Audience:** Seeks accessible information, storytelling, visuals.
- **Filmmakers:** Seeks guidelines, practical resources, case studies.
- **Film Students:** Seeks learning tools, references, interactive experiences.
- **Administrators:** Manages site content, uploads posters, edits research pages.

2.3 Operating Environment

- Modern browsers (Chrome, Firefox, Edge, Safari)
- Mobile, tablet, and desktop devices
- Standard web hosting or cloud hosting

2.4 Design and Implementation Constraints

- Must follow WCAG accessibility standards
- Must deliver a professional, cinematic aesthetic
- Content must be editable without coding (CMS)
- Interactive tools must be lightweight and responsive

2.5 Assumptions and Dependencies

- Access to high-quality imagery and poster files
- Reliable CMS or backend
- Consistent hosting environment

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3. System Features

3.1 Home / About Page

Description: A cinematic landing page introducing neurodivergent representation in media.

Functional Requirements:

- FR1: Display hero banner with cinematic visuals.
- FR2: Provide introductory text with smooth scrolling sections.
- FR3: Include interactive storytelling elements (hover reveals, timeline, or motion effects).
- FR4: Offer navigation to all main pages.

3.2 Posters Page

Description: Gallery of posters related to the project.

Functional Requirements:

- FR5: Display posters in a responsive gallery.
- FR6: Allow fullscreen lightbox view.

• FR7: Provide zoom or hover effects.
• FR8: Enable search or filter by theme (optional).

3.3 Research Page

Description: Presents research results, insights, and findings.

Functional Requirements:

• FR9: Display sections of research with expandable/collapsible panels.
• FR10: Provide downloadable PDF summaries.
• FR11: Include data visualizations (charts, stats, infographics).
• FR12: Support embedded videos or interviews.

3.4 Guidelines for Filmmakers & Students

Description: A professional guidelines section.

Functional Requirements:

• FR13: Provide step-by-step guidelines.
• FR14: Include interactive scenario-based tool (e.g., "Is this portrayal accurate?" quiz).
• FR15: Offer downloadable resources.
• FR16: Provide case studies with video or image support.

3.5 Contact Page

Description: A contact form for inquiries.

Functional Requirements:

• FR17: Provide form with fields: name, email, message.
• FR18: Send form data to configured email or backend.
• FR19: Display confirmation message.
• FR20: Include social links.

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4. Interactive Tools

4.1 Representation Accuracy Quiz

A short quiz to help filmmakers evaluate accuracy of portrayal.

Requirements:

• FR21: Provide multiple-choice or scenario-based questions.
• FR22: Offer instant feedback and explanations.

• FR23: Store common quiz results for analytics.

4.2 Interactive Timeline

Timeline illustrating media history of neurodivergent representation.

Requirements:

  • FR24: Scroll-based animation.
  • FR25: Clickable events revealing more content.

4.3 Character Development Checker

Tool to evaluate whether a character avoids stereotypes.

Requirements:

  • FR26: Allow users to input character traits.
  • FR27: Provide a cinematic-style "scorecard" visual.
  • FR28: Offer improvement suggestions.

4.4 Research Visualizer

Interactive charts for showing data.

Requirements:

  • FR29: Display charts that respond to hover.
  • FR30: Provide filters (year, theme, demographic).

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5. Non-Functional Requirements

5.1 Usability

  • Must be easy for general audiences.
  • Clear navigation and minimal clutter.
  • Cinematic motion must not overwhelm neurodivergent users; animations must be subtle and optional.

5.2 Accessibility

  • WCAG 2.1 compliance.
  • High-contrast mode.
  • Reduced-motion mode.
  • Screen-reader friendly.

5.3 Performance

- Load within 3 seconds on standard broadband.
- Poster images must be optimized.

5.4 Security

- Secure form submission (HTTPS).
- Input validation.
- No personal data stored without consent.

5.5 Maintainability

- Content editable via CMS.
- Modular components.

5.6 Portability

- Compatible across modern browsers.
- Responsive on all screen sizes.

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6. System Architecture

6.1 Frontend

- HTML5, CSS3, JavaScript (React optional)
- Cinematic animations using CSS or lightweight libraries

6.2 Backend

- CMS (e.g., WordPress / Sanity / Strapi) or custom backend
- Email service for contact form

6.3 Database (if needed)

- Stores quiz results, research data, content blocks

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7. Future Enhancements

- User accounts for filmmakers
- Community forum
- Downloadable lesson packs
- Video interviews library
- Interactive filmmaking workshop modules