

Project Plan Document

Esmâ Nur Akçınar

Alime Feyza Şahin

Merve İçkilli

Tarık Şamil Şahin

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1- Project Scope:

Included:

- Watchlist creation and management
- Searching functionality for movies and series
- User authentication
- Doing recommendation
- Filtering search results based on genre
- Sorting search results

Not included:

- Watching videos functionality
- User rating and comment system
- Mobile Support
- User interaction

2- Project Organization - People (roles and responsibilities)

- Backend Developer: Oversees project planning, ensures deadlines are met, handles backend development and database management.
- Front-End Developer: Designs and implements the user interface(UI/UX).
- Testing & Quality Assurance: Tests platform functionality, reports bugs, ensures performance.
- Content Analyst & API Integration: Manages TMDB API integration and ensures data consistency.

3- Objectives:

- Implement a fast and efficient search system for movies and series.
- Enable users to create and manage a watchlist.
- Integrate TMDB ratings for content comparison.

4- Key Phases and Timeline (Simple Gantt Chart or List):

The project will follow a six-week sprint-based timeline:

Timeline	Key Phases
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Sprint 1 (14/02 - 02/03)	Requirements gathering, UI/UX design, database schema design
Sprint 2 (03/03 - 09/03)	Implement search functionality and genre filtering
Sprint 3 (10/03 - 16/03)	Develop watchlist management and user authentication
Sprint 4 (17/03 - 23/03)	Conduct testing and debugging
Sprint 5 (24/03 - 28/03)	Final improvements, presentation

5- Resource Planning (Simple):

- Software Tools: Python, PyQt/Tkinter, MySQL
- Project Management: Whatsapp/Zoom for communication, Google Docs
- Task Tracking: Notion
- Development Resources: Online documentation, API guides, and relevant learning materials
- Version Control: GitHub

6- Risk Management (Simple):

- Performance issues with handling large movie datasets. *Mitigation:* Optimize database queries and implement indexing mechanisms.
- Project delays: Use Agile sprints to adjust workload and set weekly milestones, and monitor progress with constant communication
- Technical difficulties: Research and seek help from mentors.

7- Communication Plan (Simple):

- Weekly team meetings via Zoom and WhatsApp
- Task tracking and updates on GitHub/Notion
- Weekly progress reports
- Real-time collaboration

8- Change Management Plan:

- All change requests must be submitted via GitHub Issues.
- Teammates will review and approve/reject changes.
- Approved changes will be documented to ensure project alignment.

9- Budget Plan:

- Development Effort: 10-15 hours per team member per week
- Software & Tools: Free open-source development tools
- Hosting & Database: Local MySQL database setup (no cloud hosting costs), TMDB API Access (free-tier)

Task Matrix

Tasks	Esma Nur	Feyza	Merve	Tarık Şamil
Project Scope	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>
Project Organization	. <input type="checkbox"/>	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>
Objectives	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>
Key Phases and Timeline	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>	. <input type="checkbox"/>
Resource Planning	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>
Risk Management	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>
Communication Plan	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>

Tasks	Esma Nur	Feyza	Merve	Tarık Şamil
Change Management Plan	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>
Budget Plan	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>