

## İçindekiler

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# Project Definition Document

## Names

Esma Nur Akçınar

Alime Feyza Şahin

Merve İçkilli

Tarık Şamil Şahin

**Project Name:** movieNest

**Project Summary:** Our project aims to create a desktop application that keeps track of the movies and series you've watched and want to watch, and to reserve new shows. Searching shows and creating lists for the user's favorite shows.

## Objectives:

- Provide a catalog of shows.
- Display IMDb ratings and overviews of shows.
- Implement a recommendation system based on user preferences.
- Allow users to create and manage a watchlist.

## Scope:

### Included:

- Watchlist management
- Searching for movies and series by genre
- User authentication
- Content recommendation system

### Not included:

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

**Target Audience:** Users who want an organized way to track their watchlists

Individuals looking for content recommendations

### Key Features:

- Searching functionality for finding movies and series.
- IMDb rating integration for content comparison.
- Recommendation system based on searching history.
- Creating personal lists.
- Genre filtering to assist users in discovering content.

**Deliverables:** Fully functional web application

Project documentation (Project Definition, Requirements, and Plan)

GitHub repository with well-structured commits and contributions

### Budget and Resources:

#### Resources required:

- 4 team members (Backend Developer, Front-End Developer, Testing & QA Engineer, Content Analyst & API Integration)
- Software Tools: PyQt (front-end), Python (backend), MySQL (database), TMDB API (external movie data)
- Development Resources: GitHub for version control, WhatsApp or Zoom for communication, Notion for project management
- Learning Resources: Online courses, API documentation, official framework documentation

### Estimated Budget:

- TMDb API Access: Free-tier
- Development Effort: ~200 hours total

### Risks and Mitigation Strategies:

- 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.

### Project Success Criteria (At least 3 items):

- Users find the platform intuitive and user-friendly.
- Users log in to their accounts and engage with the watchlist and recommendation features.
- Users can search, filter, and sort the movies and manage their watchlist.

### Task Matrix

Tasks	Esma Nur	Feyza	Merve	Tarık Şamil
Project Name	<div><div></div><div><input checked="" type="checkbox"/></div></div>	<div><div></div><div><input type="checkbox"/></div></div>	<div><div></div><div><input type="checkbox"/></div></div>	<div><div></div><div><input type="checkbox"/></div></div>
Project Summary	<div><div></div><div><input checked="" type="checkbox"/></div></div>	<div><div></div><div><input type="checkbox"/></div></div>	<div><div></div><div><input type="checkbox"/></div></div>	<div><div></div><div><input type="checkbox"/></div></div>
Objectives	<div><div></div><div><input type="checkbox"/></div></div>	<div><div></div><div><input checked="" type="checkbox"/></div></div>	<div><div></div><div><input type="checkbox"/></div></div>	<div><div></div><div><input checked="" type="checkbox"/></div></div>

Tasks	Esma Nur	Feyza	Merve	Tarık Şamil
Scope	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>
Target Audience	. <input type="checkbox"/>	. <input type="checkbox"/>	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>
Key Features	. <input type="checkbox"/>	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>
Deliverables	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>
Budget and Resources	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>
Estimated Budget	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>
Risks and Mitigation Strategies	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>
Project Success Criteria (At least 3 items)	. <input type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input checked="" type="checkbox"/>	. <input type="checkbox"/>