Task Assignments

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1.Team Members and Roles

Name	Role	Primary Responsibilities
Tarık Şamil Şahin	**Backend Developer 1**	**Database schema, Authentication, User Management, Recommendation, Sorting**
Merve İçkilli	**Backend Developer 2**	**Server setup, fetching API data, searching movies by name, filtering movies, and doing watchlist operations(add-delete)**
Alime Feyza Şahin	**Frontend Developer**	**UI/UX Design, frontend components, styling, Search & Filtering**
Esma Nur Akçınar	**Frontend Developer**	**Frontend logic, UI/UX Design, User Authentication, Watchlist and Sorting**

2.Task Table

Each functional requirement is assigned to the most relevant team members.

Task	Assigned Member(s)
Requirement Gathering	**All members**
UI/UX Design	**Frontend Developers**
Database Schema Design	**Backend Developers**
Server Setup	**Backend Developers**
User Management Page	**Frontend Developers**

User Management Algorithm	**Backend Developers**
Recommendation Page	**Frontend Developers**
Recommendation Algorithm	**Backend Developers**
Watchlist Page	**Frontend Developers**
Watchlist Algorithm	**Backend Developers**
Sorting	**Frontend Developers**
Search & Filtering Page	**Frontend Developers**
Search & Filtering Algorithm	**Backend Developers**
API Integration	**Backend + Frontend**
Testing & Debugging	**Each developer for their own code**
Documentation (3 sessions)	**All members**
Code Integration & Merge Conflicts	**All members (secondary task)**
Deployment	**All members**

3. Rationale for Task Assignment

The task distribution was designed based on:

- Skill Sets: Backend developers focus on database and API logic, while frontend developers handle UI/UX and integration.
- Since some of our developers are working in unfamiliar areas, we plan to assign them tasks that align with their strengths while also fostering a collaborative learning environment.
- Interest Areas: Tasks align with members' technical interests to encourage motivation and learning.
- Learning Objectives: Some tasks (e.g., testing, code integration) are shared to give every member exposure to different aspects of software development.
- Balanced Workload: Each member has roughly equal effort distribution (70-90 hours per person) to maintain fairness.

Task Matrix

Tasks	Esma Nur	Feyza	Merve	Tarık Şamil
Task Assignments	☑	☑	☑	☑