

Project Plan Document – StudyPilot



Document-Specific Task Matrix

Task	Team Member Responsible
Project Scope	Nehir Tıraş
Project Organization	Nehir Aydın
Objectives	Alvin Dora Akıncı
Key Phases and Timeline	Cevdet Onat Cerit, Emin Arslan
Resource Planning	Emin Arslan
Risk Management	Alvin Dora Akıncı, Nehir Aydın
Communication Plan	Nehir Aydın, Cevdet Onat Cerit, Emin Arslan, Nehir Tıraş, Alvin Dora Akıncı
Change Management Plan	Nehir Tıraş
Budget Plan	Cevdet Onat Cerit

Project Scope

In Scope

- Allow students to plan and manage courses, assignments, and exams from a single platform.
- Provide task prioritization.
- Include an integrated Pomodoro timer to improve focus and time management.
- Integrate Spotify for personalized playlists during study sessions.
- Display weather-based recommendations to create a personalized study experience.
- Provide analytics and progress tracking with data visualizations.

Out of Scope

- Multi-user collaboration or team task sharing.
 - Offline synchronization across devices.
 - Integration with school or university LMS systems.
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Project Organization

Team Members and Roles

- **Cevdet Onat Cerit (231101078):** Frontend Developer, Tester
 - **Alvin Dora Akıncı (231101052):** Backend Developer, Quality Analyst, Documentation Specialist
 - **Emin Arslan (231101007):** Project Manager, Backend Developer
 - **Nehir Tıraş (231101065):** UI/UX Designer, Frontend Developer
 - **Nehir Aydın (231101053):** Requirements Analyst, Documentation Specialist, Backend Developer
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Objectives

- Develop a web-based system that allows students to efficiently plan academic tasks.
- Provide a built-in Pomodoro timer to increase focus and reduce procrastination.
- Integrate Spotify and weather APIs for an engaging and personalized experience.
- Visualize user productivity and task completion using an analytics dashboard.

- Deliver a responsive, user-friendly, and accessible interface.

Key Phases and Timeline

Phase	Start Date	End Date	Deliverables
Requirements Gathering	15/10/2025	28/10/2025	Requirement documentation, initial feature list
Design	30/11/2025	8/11/2025	UI/UX wireframes, system architecture diagrams
Development	4/11/2025	25/11/2025	Core functionalities: task management, Pomodoro, Spotify & weather integration
Testing	21/11/2025	30/11/2025	Test cases, bug reports, user feedback
Deployment	3/12/2025	6/12/2025	Final deployment, GitHub release
Closure	8/12/2025		Final presentation and evaluation report

Resource Planning

Required Resources

- Software Tools: HTML, CSS, JavaScript, Python, Spotify Web API, OpenWeatherMap API, Git, GitHub.
- User Research and Testing Processes: Manual usability testing and surveys.

Access to Resources

- All software and APIs are freely available through online platforms.
 - GitHub will be used for version control and project collaboration.
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Risk Management

Risk	Mitigation Strategy
API integration errors (Spotify/Weather)	Conduct early testing and use fallback mock data.
Time constraints due to academic workload	Establish internal milestones and task tracking using Trello.
Low user engagement	Add gamification and study streak features.
Browser compatibility issues	Conduct UI testing on multiple browsers.

Communication Plan

- Weekly team meetings to discuss progress and roadblocks.
 - Use of online communication tools (Zoom, WhatsApp, etc.) for daily interactions.
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Change Management Plan

- All requested changes to scope or requirements will be documented by the Project Manager.
- Major changes require team review and consensus during weekly meetings.

- Minor updates and bug fixes will be handled via GitHub pull requests.
- Continuous integration workflows ensure smooth and safe updates to the codebase.

Budget Plan

- Development Costs: Software licenses, tools, and expert fees.
- Operational Costs: Server and data storage.
- Testing Costs: Funds for user testing sessions and feedback collection.