Project Plan Document – IdeaPulse

# Document Authorship

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# Document-Specific Task Matrix

|  |  |
| --- | --- |
| Task | Responsible Person |
| Defining Project Scope | Aylin Şahin, |
| Project organization and role distribution | Halil Melih Akça |
| Timeline and phases | Alp Tolga Toksöz |
| Risk management & communication plan | Aylin Şahin,Alp Tolga Toksöz |
| Resource planning & acceptance criteria | Mustafa Çevik, Halil Melih Akça |
| General formatting and editing | Mustafa Çevik |

# 2.1 Project Scope

Included:  
- Idea input interface (text input + mood + tag)  
- Listing and storing ideas (via localStorage)  
- Insights page (mood analysis, number of ideas, etc.)  
- Settings page (data reset)  
- About page (information)  
- Mobile-friendly navigation with Navbar  
- PWA support (manifest.json + offline cache)

Excluded:  
- User management (registration/login)  
- Server-side data storage (e.g., Firebase, Supabase)  
- AI-powered analysis/enhancements  
- Notification system  
- Team/multi-user support

# 2.2 Project Organization – People (Roller)

| **Name** | **Role** | **Responsibilities** |
| --- | --- | --- |
| Alp Tolga Toksöz | Frontend Developer | UI design and React/Next.js development |
| Aylin Şahin | Documenter & Tester | Preparing documents and handling testing processes |
| Halil Melih Akça | Full-stack Developer | Logic & PWA integration, data management |
| Mustafa Çevik | Project Manager | Task tracking, resource planning, version control |

# 2.3 Project Objectives

- The application should be functional by the end of the term.  
- It should be available on GitHub as open source with a clean commit history.  
- All planned pages should function completely.  
- The app should support PWA and be usable offline.

# 2.4 Key Phases and Timeline

|  |  |  |
| --- | --- | --- |
| **Phase** | **Description** | **Estimated Date** |
| Requirements Analysis | Use case definition and scope determination | June 15, 2025 |
| UI Design | Interface mockups for pages | June 20–25, 2025 |
| Development | Idea input, listing, insights screen | July 1–10, 2025 |
| Testing and Debugging | Manual testing, mobile/PWA testing | July 10–31, 2025 |
| Documentation and GitHub | Uploading documents and final commits | August 1–7, 2025 |
|  |  |  |

# 2.5 Resource Planning

|  |  |
| --- | --- |
| **Resource** | **Description** |
| Next.js | Application framework |
| Tailwind CSS | For UI design |
| TypeScript | For type safety |
| uuid, next-pwa | For idea IDs and PWA features |
| GitHub | For version control and submission |

# 2.6 Risk Management -Development delays may occur due to other courses and deadlines. This risk is mitigated by dividing tasks into smaller chunks and planning daily. -Unexpected software bugs may arise. This is managed through the use of Git for version control and regular testing. -A team member may leave the project. This risk is managed by proper documentation and equal responsibility sharing.

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# 2.7 Communication Plan -Team members will communicate through online platforms (Discord, WhatsApp). -Online meetings will be held before every major task. -Project notes and documents will be kept in Notion or Markdown files. -Technical communication and version tracking will be maintained via GitHub commit history.

# 2.8 Change Management Plan

- Changes in requirements or scope will be tracked via GitHub.  
- Each change will be recorded with a descriptive commit message.  
- Changes will be reflected in documents using // NOTE: style comments.

# 2.9 Budget Plan

- The project has no budget. All resources (Next.js, Tailwind, GitHub, etc.) are free.  
- All team members contribute voluntarily.  
- No external costs are anticipated during the project period.

# 2.10 Acceptance Tests and Acceptance Criteria

- Can users successfully input ideas?  
- Are ideas saved and listed properly?  
- Does the insights page present meaningful data (e.g., graphs)?  
- Can all data be cleared via the settings page?  
- Does it work offline as a PWA? - Is every page accessible (Home, Insight, Settings, About)?