transcendence
PLANNER

Plan: **Planner 24022026** ⌄

List　Graph

100%
TOTAL SCORE

⚡ **Progress Tracker**　　　　　　**14** / 7 Majors

● MAJOR　　● 2 MINORS

⭐ **7**
MAJORS

○ **14**
MINORS

½ **0**
LEFTOVER

CURRENT STATUS　　　　　　Ready

All Systems Go

Your project plan meets all requirements.　✓

TECHNICAL ARCHITECTURE

BACKEND
NestJS / Express / Django / etc.

FRONTEND
React / Vue / Angular / etc.

DATABASE
PostgreSQL / MySQL / etc.

GRAPHICS
Three.js / Canvas

All　55　　　☆ Major　24　　　○ Minor　31

🔍 Search modules...　　　🗑 21

Web

14

Framework for Frontend & Backend

⭐ MAJOR

Use a framework for both the frontend and backend.

⊗ Frontend Fram…   ⊗ Backend Fram…

👁 View Details   + Add

Frontend Framework

○ MINOR

Use a frontend framework (React, Vue, etc.).

⊗ Framework for …

👁 View Details   ✕ Remove

Backend Framework

○ MINOR

Use a backend framework (Express, NestJS, etc.).

⊗ Framework for …

👁 View Details   ✕ Remove

Real-time Features

⭐ MAJOR

Implement real-time features using WebSockets (updates, connection handling).

👁 View Details   ✕ Remove

User Interaction (Chat, Profile, Friends)

⭐ MAJOR

Basic chat, profile system, and friends system.

👁 View Details ✕ Remove

Public API

⭐ MAJOR

Public API with API keys, rate limiting, documentation, and at least 5 endpoints.

👁 View Details ＋ Add

ORM

○ MINOR

Use an ORM for the database.

👁 View Details ✕ Remove

Notification System

○ MINOR

Complete notification system for creation, update, and deletion actions.

👁 View Details ✕ Remove

Real-time Collaborative Features

○ MINOR

Shared workspaces, live editing, collaborative drawing, etc.

✨ Real-time Feat…

👁 View Details ＋ Add

Server-Side Rendering (SSR)

○ MINOR

SSR for improved performance and SEO.

⊗ ICP Backend

👁 View Details ＋ Add

Progressive Web App (PWA)

○ MINOR

Offline support and installability.

👁 View Details   + Add

Custom Design System

○ MINOR

Custom-made design system with reusable components (min. 10).

👁 View Details   + Add

Advanced Search

○ MINOR

Filters, sorting, and pagination.

👁 View Details   ✕ Remove

File Upload & Management

○ MINOR

Support multiple file types, validation, secure storage, and previews.

👁 View Details   ✕ Remove

⌄ **Accessibility & I18n**   4

WCAG 2.1 AA Compliance

⭐ MAJOR

Complete accessibility compliance with screen reader support and keyboard navigation.

👁 View Details   + Add

Multiple Languages

○ MINOR

Support for at least 3 languages with language switcher.

👁 View Details   + Add

RTL Support

○ MINOR

Right-to-left language support with layout mirroring.

👁 View Details   + Add

Browser Compatibility

○ MINOR

Full compatibility with at least 2 additional browsers.

👁 View Details   ✕ Remove

⌄ User Management   7

Standard User Management

⭐ MAJOR

Users can update profiles, upload avatars, add friends.

👁 View Details   ✕ Remove

Game Statistics & History

○ MINOR

Track wins, losses, ranking, and match history.

⊘ Web-Based Ga...

Remote Authentication (OAuth 2.0)

◯ MINOR

Login with Google, GitHub, 42, etc.

⊘ Standard User …

👁 View Details

＋ Add

Advanced Permissions

★ MAJOR

CRUD users, roles management (admin, moderator, etc.).

⊘ Standard User …

👁 View Details

＋ Add

Organization System

★ MAJOR

Create/edit organizations, add/remove users.

⊘ Standard User …

👁 View Details

＋ Add

Two-Factor Authentication (2FA)

◯ MINOR

Complete 2FA system.

⊘ Standard User …

👁 View Details

＋ Add

User Analytics Dashboard

◯ MINOR

Activity analytics and insights.

Artificial Intelligence 8

AI Opponent ⭐ MAJOR

Challenging AI player capable of winning occasionally.

⊘ Web-Based Ga…

👁 View Details ✕ Remove

RAG System ⭐ MAJOR

Retrieval-Augmented Generation interacting with a large dataset.

👁 View Details ＋ Add

LLM Interface ⭐ MAJOR

Generate text/images based on user input with streaming.

👁 View Details ＋ Add

Recommendation System ⭐ MAJOR

Personalized recommendations based on behavior.

👁 View Details ＋ Add

Content Moderation AI ◯ MINOR

Auto moderation, deletion, or warning.

View Details

+ Add

Voice/Speech Integration

◯ MINOR

Accessibility or interaction via voice.

◉ View Details

+ Add

Sentiment Analysis

◯ MINOR

Analyze user-generated content.

◉ View Details

+ Add

Image Recognition

◯ MINOR

Image tagging and recognition system.

◉ View Details

+ Add

⌄ Cybersecurity

1

WAF & Vault

★ MAJOR

WAF/ModSecurity (hardened) + HashiCorp Vault for secrets.

◉ View Details

+ Add

⌄ Gaming & UX

10

Web-Based Game

⭐ MAJOR

Complete real-time multiplayer game (e.g., Pong).

👁 View Details   ✕ Remove

Remote Players

⭐ MAJOR

Two players on separate computers playing in real-time.

✓ Web-Based Ga…

👁 View Details   ✕ Remove

Multiplayer (3+)

⭐ MAJOR

Support for 3 or more players simultaneously.

✓ Web-Based Ga…

👁 View Details   ＋ Add

Add Another Game

⭐ MAJOR

Second distinct game with user history and matchmaking.

✓ Web-Based Ga…

👁 View Details   ＋ Add

Advanced 3D Graphics

⭐ MAJOR

Immersive 3D environment using Three.js or Babylon.js.

✓ Web-Based Ga…

👁 View Details   ＋ Add

Advanced Chat Features

○ MINOR

Blocking, invites, typing indicators (Enhances Basic Chat).

⊘ User Interactio…

👁 View Details

+ Add

Tournament System

○ MINOR

Brackets, matchmaking, registration.

⊘ Web-Based Ga…

👁 View Details

✕ Remove

Game Customization

○ MINOR

Power-ups, maps, custom settings.

⊘ Web-Based Ga…

👁 View Details

✕ Remove

Gamification

○ MINOR

Achievements, badges, leaderboards, XP.

👁 View Details

✕ Remove

Spectator Mode

○ MINOR

Watch ongoing games in real-time.

⊘ Web-Based Ga…

👁 View Details

✕ Remove

⌄ DevOps   4

Log Management (ELK)   ⭐ MAJOR

Elasticsearch, Logstash, Kibana.

👁 View Details   + Add

Monitoring (Prometheus/Grafana)   ⭐ MAJOR

Metrics collection and dashboards.

👁 View Details   + Add

Backend as Microservices   ⭐ MAJOR

Loosely-coupled services using REST or message queues.

👁 View Details   ✕ Remove

Health Checks & Backups   ○ MINOR

Automated backups and status pages.

👁 View Details   + Add

⌄ Data & Analytics   3

Advanced Analytics Dashboard   ⭐ MAJOR

Interactive charts, real-time updates, exports.

View Details + Add

Data Export/Import

○ MINOR

Multiple formats (JSON, CSV), bulk operations.

View Details ✕ Remove

GDPR Compliance

○ MINOR

Data requests, deletion, export.

View Details + Add

⌄ Blockchain

2

Blockchain Tournament Scores

⭐ MAJOR

Store scores on Avalanche using Solidity.

✦ Tournament Sy…

View Details + Add

ICP Backend

○ MINOR

Backend on Internet Computer Protocol.

⊗ Server-Side Re…

View Details + Add

⌄ Modules of Choice

2

Custom Major Module

⭐ MAJOR

Substantial custom module (justification required).

👁 View Details   ＋ Add

Custom Minor Module

◯ MINOR

Smaller custom module (justification required).

👁 View Details   ＋ Add

Custom Major Module

⭐ MAJOR

Substantial custom module (justification required).