<Kontroller>
Vision Document

Version <1.0>

Revision History

Date	Version	Description	Author
<02/06/2025>	1.0	Write a detailed document on the vision for this project	Nguyễn Gia Nghi
<15/06/2025>	1.1	Clarify all the features of an admin, add the writing reviews feature to mobile platforms.	Nguyễn Gia Nghi

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Vision (Kontroller)

1. Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the Kontroller system. It focuses on the capabilities needed by gamers and reviewers, and why these needs exist. The details of how the Kontroller platform fulfills these needs are detailed in the use-case and supplementary specifications. This Vision document provides an overview of the platform's goals, target users, high-level features, and product positioning within the competitive landscape of digital entertainment logging and social platforms.

2. Positioning

2.1 Problem Statement (Phát biểu bài toán)

The problem of	keeping track of games played and finding personalized recommendations or reviews
affects	gamers, casual players, game reviewers, and social players
the impact of which is	users struggle to remember or share their gaming experiences, receive quality suggestions, or connect with others through a gaming-specific platform
a successful solution would be	a social platform that allows users to log their gameplay, rate/review games, create lists, and interact with a like-minded community in a clean, personalized environment.

2.2 Product Position Statement (Phát biểu giải pháp)

For	gamers, casual players, reviewers, and social media users interested in gaming
Who	want to track, rate, and share their gaming experiences
The	Is Kontroller
That	allows users to log games, post reviews, get data from IGDB, and connect with others with shared interests
Unlike	Letterboxd (film), Goodreads (books), Backloggd or IGDB (limited features or poor UI)
Our product	is focused solely on a rich social experience for gamers with curated features, verified game data, and robust interaction systems including lists, stats, and reviews.

3. User Descriptions

3.1 User Profiles

Casual Gamer

Perspective: Wants to track games played casually and rate them

Role: End-user

Skills: Basic digital literacy

Experience: Social media and general app usage

Frequency: Weekly

Demographics: Age 15–40, any gender, various interests

Habits: Logs after finishing games, reads reviews

Needs: Easy-to-use interface, accurate data, social integration

Professional Reviewer

Perspective: Wants an archive of game opinions

Role: Content creator, influencer

Skills: High computer proficiency

Experience: Journalism, content creation

Frequency: Daily

Demographics: Age 20–45

Needs: Review drafting tools, profile visibility, rich stats

Social Gamer

Perspective: Wants to connect with others and share activity

Role: Engaged community member

Skills: Moderate computer skills

Experience: Active on Reddit, Discord, Steam

Frequency: Daily

Needs: Friends list, activity feed, commenting, list sharing

3.2 User Task and Environment

Task	User	Where	Frequency	Constraints
Log a game	Casual gamer	Mobile or desktop	After each game	Requires internet and game information
Write a review	Reviewer	Mobile or Desktop	After gameplay	Needs rich text editing tools
Browse other profiles	Social gamer	Mobile or desktop	Daily	None
Create a list	All users	Mobile or desktop	Weekly	Game data must be correct and accessible

3.3 Alternatives and Competition

Competitor	Strengths	Weaknesses
Backloggd	Game logging, familiar concept	Limited user interface, fewer social tools
IGDB	Reliable and detailed game database	Not designed for social or review purposes
Steam	Built-in review and achievement system	Only tracks games from the Steam platform

4. Product Features → functional user requirements

User authentication and profile management

Log games played (search via IGDB)

Rate and write reviews

Create public or private lists

Follow other users and view activity feeds

Search and filter games based on tags, platform, year, genre

View and comment on others' profiles and posts

View recap stats of gaming history

Admin tools for content moderation including:

- Ban a user
- Delete a comment, review
- Manage passwords and usernames

5. Non-Functional Requirements → non-functional user requirements

Performance: Page loads < 2 seconds; search results < 1 second

Scalability: Must support thousands of users and scale to millions

Security: Use OAuth, hashed passwords, encrypted API calls

Usability: Responsive design, accessible UI

Availability: 99.9% uptime expected with proper hosting

Maintainability: Modular architecture, proper code documentation

Platform: Works on mobile browsers and desktops

Compatibility: Use modern web standards (HTML5, CSS3, JS ES6+)

Documentation: Online user guide, FAQs, and onboarding flow

Backup and Recovery: Daily automated backups with 7-day retention

Priority Levels:

High: Security, Logging, Reviews, Profile, Search, Lists

Medium: Recap stats, Activity feed, Comments

Low: Themes, Optional integrations (e.g., Discord linking)