Project Description

Project Name: SnakeEatEggsGameProject
Description: This project is about creating a Snake Eat Eggs game. The game emphasizes classical snake gameplay where the player navigates the snake to eat eggs, resulting in score increments and increased snake length. The project covers requirements analysis, design, development, testing, integration, and deployment for a successful game release.

Task List Table

id	name	description	outline_level	dependent_tasks	parent_task	child_tasks	estimated_effort_in_hours	status	required_s
1	Requirements Gathering	Collect and document all requirements for the Snake Eat Eggs game, including gameplay mechanics, platform, and user experience.	1	-	-	2, 3	16.0	Not Started	requiremer analysis
2	Game Design Document Creation	Create a detailed game design document with rules, levels, scoring, UI/UX, and architecture.	2	1	1	4, 5	24.0	Not Started	game desi documenta
3	Technology Stack Selection	Evaluate and select the technology stack (engine, language, libraries) for the project.	2	1	1	6	8.0	Not Started	software architectur
4	UI/UX Wireframe Design	Design wireframes for game UI/UX, menus, screens, and scoreboard.	3	2	2	7	20.0	Not Started	UI/UX desi
5	Game Logic Specification	Detail logic for snake movement, egg spawning, collision, and scoring.	3	2	2	8	16.0	Not Started	game desi
6	Development Environment Setup	Set up environment: tools, libraries, version control.	3	3	3	7, 8	8.0	Not Started	devops
7	UI Implementation - Main Menu and Scoreboard	Develop main menu and scoreboard UI from wireframes.	4	4, 6	4	9	20.0	Not Started	frontend developme

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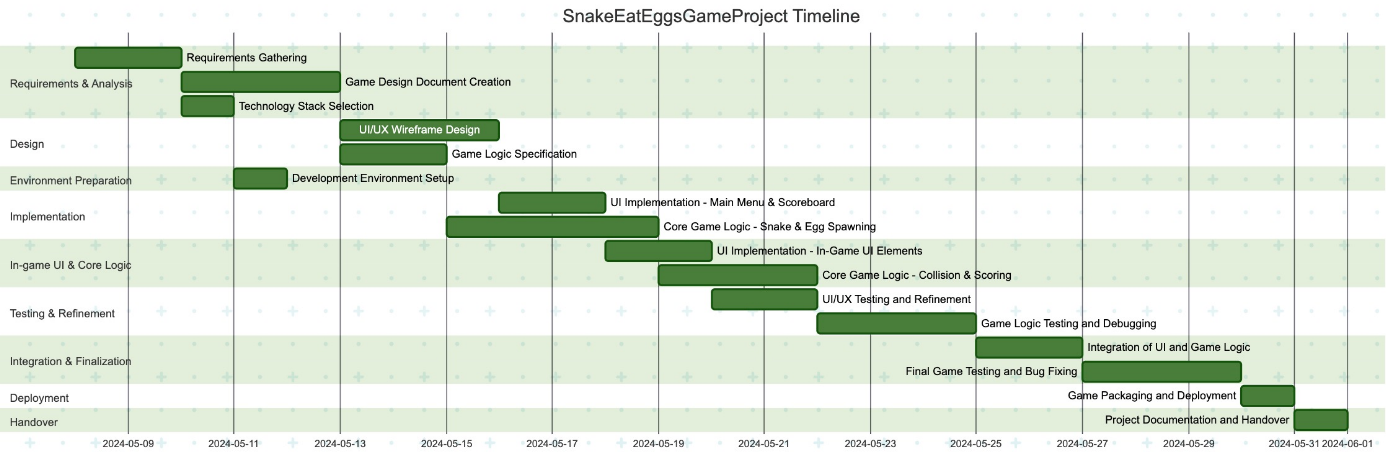
8	Core Game Logic Implementation - Snake Movement and Egg Spawning	Implement snake movement and egg spawning core logic.	4	5, 6	5	10	32.0	Not Started	game developme
9	UI Implementation - In-Game UI Elements	Develop in-game UI (pause, restart, game over screens).	5	7	7	11	16.0	Not Started	frontend developme
10	Core Game Logic Implementation - Collision Detection and Scoring	Implement collision detection and scoring logic.	5	8	8	12	24.0	Not Started	game developme
11	UI/UX Testing and Refinement	Test UI/UX for usability and make improvements.	6	9	9	-	12.0	Not Started	UI/UX testi
12	Game Logic Testing and Debugging	Test and debug snake movement, collision, and scoring.	6	10	10	13	20.0	Not Started	QA, game testing
13	Integration of UI and Game Logic	Integrate UI with core game logic for seamless gameplay.	7	11, 12	12	14	16.0	Not Started	integration game developme
14	Final Game Testing and Bug Fixing	Final testing and bugfixing for integrated game.	8	13	13	15	20.0	Not Started	QA, game testing
15	Game Packaging and Deployment	Package and deploy the game to target platforms.	9	14	14	16	8.0	Not Started	deploymer
16	Project Documentation and Handover	Prepare documentation and handover package.	10	15	15	-	8.0	Not Started	documenta

Task Gantt Diagram

> **Note:** 1 day = 8 hours of work. Task durations are rounded up to the nearest whole day.
> **Important:** Some tasks (such as Task 7 and Task 8) have multiple dependencies in the original plan. Since Mermaid Gantt charts only support a single dependency per task, the chart below represents the primary dependency for each such task. For full accuracy, please refer to the Task List Table above.


SnakeEatEggsGameProject Timeline
Requirements & Analysis
Requirements Gathering
Game Design Document Creation
Technology Stack Selection
Design
UI/UX Wireframe Design
Game Logic Specification
Environment Preparation
Development Environment Setup
Implementation
UI Implementation - Main Menu & Scoreboard
Core Game Logic - Snake & Egg Spawning
In-game UI & Core Logic
UI Implementation - In-Game UI Elements
Core Game Logic - Collision & Scoring
Testing & Refinement
UI/UX Testing and Refinement
Game Logic Testing and Debugging
Integration & Finalization
Integration of UI and Game Logic
Final Game Testing and Bug Fixing
Deployment
Game Packaging and Deployment
Handover
Project Documentation and Handover
2024-05-09
2024-05-11
2024-05-13
2024-05-15
2024-05-17
2024-05-19
2024-05-21
2024-05-23
2024-05-25
2024-05-27
2024-05-29
2024-05-31
2024-06-01