# Project Overview

## Project Name: SnakeEatEggsGameProject

**Project Description:**  
The SnakeEatEggs game project revolves around creating a dynamic and engaging game where players control a snake to navigate a play area, collect eggs, and achieve high scores. The game will include well-designed gameplay mechanics, an intuitive user interface, and thorough testing to ensure a seamless user experience.

# Task List Table

| **ID** | **Name** | **Description** | **Outline Level** | **Dependent Tasks** | **Parent Task** | **Child Tasks** | **Status** | **Estimated Effort (Hours)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| task\_1 | Game Design Document Creation | Create a comprehensive game design document outlining gameplay mechanics, objectives, and user interface. | 1 | None | None | task\_2, task\_3 | Initial design phase | 20.0 |
| task\_2 | Game Mechanics Design | Design the core mechanics of the snake movement and egg collection. | 2 | task\_1 | task\_1 | task\_4, task\_5 | Detailed mechanics design | 30.0 |
| task\_3 | User Interface Design | Design the user interface including menus, score display, and game over screen. | 2 | task\_1 | task\_1 | task\_6, task\_7 | UI design phase | 25.0 |
| task\_4 | Implement Snake Movement | Develop the snake movement mechanics as per the design. | 3 | task\_2 | task\_2 | None | Development phase | 20.0 |
| task\_5 | Implement Egg Collection | Develop the egg collection mechanics as per the design. | 3 | task\_2 | task\_2 | None | Development phase | 20.0 |
| task\_6 | Develop Main Menu | Create the main menu interface for the game. | 3 | task\_3 | task\_3 | None | Development phase | 15.0 |
| task\_7 | Develop Score Display | Create the score display interface for the game. | 3 | task\_3 | task\_3 | None | Development phase | 20.0 |
| task\_8 | Game Testing | Test the game for bugs, gameplay issues, and user experience. | 1 | task\_4, task\_5, task\_6, task\_7 | None | None | Testing phase | 30.0 |

# Task Gantt Diagram

![diagram](data:application/pdf;base64,)

This structure provides a clear project roadmap, highlighting task dependencies, outline levels, estimated effort, and the overall timeline using a Gantt chart.