**Title: Connect The Color Dots ( A Puzzle IQ Test Game )**

**Introduction:**

Connect The Color Dots is a hypercasual game designed to challenge players' IQ levels and puzzle-solving skills. With its intuitive gameplay and vibrant interface, the game offers a fun and engaging experience for players of all ages. The primary objective is to connect matching color dots within a grid, testing players' ability to strategize and solve puzzles efficiently**.**

**Methodology:**

The game will feature an interactive user interface with various configurations based on different datasets. Players can choose from different modes such as beginner, intermediate, and hard, each offering a unique set of challenges. Behind the scenes, the game will utilize virtual databases to generate puzzles dynamically, ensuring endless replayability.

**Scope:**

Connect The Color Dots aims to appeal to puzzle lovers and gamers seeking to test their cognitive abilities. The game's target audience includes individuals of all ages who enjoy brain-teasing challenges. With its simple yet addictive gameplay, the game promises hours of entertainment for players looking to sharpen their minds.

**Functional Requirements:**

**Tutorial:**

• A comprehensive tutorial to guide players on how to play the game effectively.

**Main Screen:**

• Intuitive main screen showcasing game modes, settings, and high scores.

**Gameplay:**

• Interactive gameplay allowing players to connect color dots within the grid.

• Various difficulty levels catering to players of different skill levels.

**Home Page:**

• User-friendly home page providing easy access to game features and information.

**Settings:**

• Customizable settings for adjusting game preferences and difficulty levels.

**Non-Functional Requirements:**

**Performance:**

• Smooth and responsive gameplay for an enjoyable user experience.

• Optimized performance to handle increased player engagement.

**Security:**

• Secure storage of player data and preferences to protect user privacy.

• Implementation of authentication measures to ensure data integrity.

**Reliability:**

• Continuous monitoring for bugs and errors to maintain game stability.

• Regular updates and bug fixes to enhance overall reliability.

**Scalability:**

**•** Flexible architecture to accommodate future updates and additions.

• Scalable infrastructure to support growing player base and demand.