

# Homework 1

## Product Vision

FOR Sudoku enthusiasts or people interested in Sudoku WHO want to play Sudoku at any time, at any place, or simply to kill time, THE Sudokudos is a single-player game THAT contains a colossal numbers of Sudoku puzzles, creative and intricate gameplays, and easy-to-use marking functions. It also Allows players to pause and save game progress anytime.

UNLIKE other Sudoku game, such as *Quan Ming Sudoku*, *Sudoku Da Quan*. OUR Sudokudos increases the difficulty and playability of the game by offering different modes in some of which we add certain constraints on the puzzle solving. Our game enables users to have a unique gaming experience in that it possesses many unique features and gameplays, such as setting a Quest Board with missions for players to accomplish, holiday special puzzles, etc.

## Scenario One

Angelina is a district attorney who works in the local court house in GZ, which is 55 min by metro away from her resident. The everyday, long commute to work has become tedious for Angelina. Recently Angelina picks up her old hobby, solving Sudoku puzzles, and she is looking for an interesting Sudokudos app to play on her way to work.

In the past, Angelina has tried many Sudoku game products, but she finds that in most of those products, the number of the puzzles are limited, the variety of the gaming modes are monotonous, for which she lost interest and quit playing them not long after she downloads them. This time she is looking for a new Sudoku game that can surprise her or impress her.

Angelina posted a tweet asking for recommendation on a fun Sudoku game. One comments with 400+ Likes recommends Sudokudos. She starts playing Sudokudos, and it blows her away. It is exactly what she has been looking for, a Sudoku game with limitless puzzles, creative and intricate gameplays, and more importantly she can pause and save game progress anytime she wants, which is convenient for her when she is on commute.

## **Scenario Two**

Emilie is the mother of two children. Her daughter, ivy, is in fourth grade. Emilie attaches great importance to education, and she has been trying to find an appropriate method or tool to train her daughter on deductive skills and problem-solving skills, but in vain.

Until one day, Emilie learns about sudokudos from her neighbor, Linda. Linda tells her Sudokudos is a fun intellectual game which can also serve educational purpose for children.

After downloading the game, Emilie discover that the game has several gaming mode, including Tutorial, Training, Normal, Advanced, Master, etc.. she is intrigued by it. Emilie starts to let her daughter play Sudokudos. Her daughter easily gets a grasp on it and soon gets hooked on this fascinating game. Not only does the game cultivates children's deductive and problem-solving skills but also help children develop concentration and responsiveness. Sudokudos is absolutely a perfect choice as an educational game.

## **Features**

### **Feature in scenario 1:**

1. For players who seek challenges, Sudokudos offers a large amount of intricate puzzles.  
Players can derive a great deal of pleasure and fulfillment in the process of working out those puzzles.
2. To avoid being dull and monotonous in game mode, Sudokudos offers various game mode, e.g., easy mode, moderate mode, hard mode, tutorial mode.
3. For those who wants to play during fragments of time, i.e. they don't have enough time to finish one game, Sudokudos has a save function, enabling players to save the game process. Next time they play, they can start from where they left it.

### **Feature in scenario 2:**

1. For players who are new to Sudoku puzzles, Sudokudos provides an easy-to-understand tutorial, aiming to help new players to quickly grasp an understanding of the game, thus they can solve the puzzles and derive fun from the game.