

# Software Requirements Specification (SRS)

**Project Name:**

Tappy Game

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**INTRODUCTION:****PURPOSE:**

This document outlines the requirements for Tappy Game, where the player navigates a character through obstacles by tapping to jump. It includes a results screen showing the player's current score, best score, username, and a restart option.

**SCOPE:**

The game is designed for mobile platforms and provides simple gameplay with an interactive results screen after the game ends.

**OVERALL DESCRIPTION:****PRODUCT PERSPECTIVE:**

Tappy Game is a mobile side-scroller. The player taps to jump and avoid obstacles, with a results screen to track performance.

**PRODUCT FEATURES:**

- Continuous side-scrolling gameplay.
- Tap-to-jump mechanic.
- Randomly generated obstacles.

- Score tracking and results screen.

### **USER CHARACTERISTICS:**

The app is for casual gamers of all ages.

### **SYSTEM FEATURES:**

#### **JUMPING MECHANISM:**

- Description: The character will jump when the screen is tapped.
- Functional Requirements:

A single tap causes the character to jump.

#### **OBSTACLE AVOIDANCE:**

- Description: Randomly generated obstacles to avoid.
- Functional Requirements:

The game should generate random obstacles.

Colliding with an obstacle ends the game.

#### **SCORE SYSTEM:**

- Description: Tracks the number of obstacles avoided.
- Functional Requirements:

The score increases based on the number of obstacles avoided.

#### **RESULT SCREEN:**

- Description: Displays after the game ends, showing current score, best score, username, and an option to restart the game.

- **FUNCTIONAL REQUIREMENTS:**

The result screen should display the player's current score, best score, and username.

There should be a restart button to begin a new game.

The game should store the best score and compare it with the current score.

**NON FUNCTIONAL REQUIREMENTS:**

**PERFORMANCE REQUIREMENTS:**

- The game should run smoothly on mobile devices without noticeable lag.

**USABILITY:**

Simple tap-based controls and intuitive results screen for easy interaction.