

# How to Play the Game: "Nana's Crossing"

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- **Version:** Final Version

## Overview

"Nana's Crossing" is a fun and challenging game where you help a grandmother (Nana) cross multiple lanes of traffic to reach her destination. Each lane presents a risk, and you must decide whether to attempt crossing or stop and collect your earnings. The game combines strategy with chance, as your success depends on probability.

## Game Setup

### 1. Starting the Game:

- a. Launch the game to see the home screen.
- b. Enter your Nana's name in the provided field(Optional).
- c. Adjust the settings if desired:
  - i. **Probability Difference:** Recommended/default at 3%. This affects how much your odds decrease with each lane.
  - ii. **Reward per Lane:** Recommended/default at 100 VBucks. This is the amount you earn for each successful crossing.
- d. Click the "Play" button to start the game.

# Gameplay Instructions

## Main Screen

- The game screen displays:
  - **Lanes:** A series of lanes with moving cars. Each lane represents a level you must cross.
  - **Nana:** Your character, positioned at the starting point.
  - **Current Lane:** Indicates which lane you are attempting to cross (1 to 8).
  - **VBucks:** Your in-game currency, earned by successfully crossing lanes.
  - **Odds of Success/Failure:** The probability of successfully crossing the current lane.

## Controls

- **Cross Button:**
  - Click to attempt crossing the current lane.
  - The game calculates success based on the displayed odds.
    - If successful: Nana moves to the next lane, and you earn VBucks.
    - If unsuccessful: You lose all accumulated VBucks and the game ends.
- **Stop Button:**
  - Click to stop and collect your current VBucks.
  - This ends the game with your current earnings.
  - Can only be clicked if the game has not end
- **Reset Button:**
  - Available only after winning or losing.
  - Click to return to Home screen and restart the game from the beginning.

## Winning the Game

- Successfully cross all 8 lanes to win or stop before failure.
- Upon winning, you receive a victory screen and keep all earned VBucks.

## Losing the Game

- Failing a lane crossing results in a loss.
- You lose all VBucks and see a failure screen with a humorous message.

## Tips and Strategies

### 1. Risk Management:

- a. The odds of success decrease with each lane. Decide whether to continue or stop based on your current VBucks and the risk.

### 2. Early Stopping:

- a. If you have a significant amount of VBucks, consider stopping early to avoid losing them.

### 3. Probability Awareness:

- a. Pay attention to the odds displayed. Higher lanes are riskier!

## Sound and Effects

- The game includes sound effects for actions like clicking buttons, winning, and losing.
- Background music and car horn sounds add to the immersive experience.

## Troubleshooting

- If the game does not start, ensure all asset files (images, sounds) are in the correct folders.
- Restart the game if you encounter any unexpected behavior.