

# My Butterfly - README

## Introduction

**My Butterfly** is an engaging game where you must catch butterflies within a limited time using your mouse, which represents a net. The game offers several modes and difficulty levels, providing a simple and intuitive experience suitable for everyone.

## Game Modes

From the main menu, use the **arrow keys** to choose a game mode and a difficulty (Eric mode, Normal, and Harder):

- **Time's Trial**
  - You start with **15 seconds** on the clock.
  - Each butterfly caught adds a little time.
  - The game ends when the timer reaches **zero**.
- **Rush30**
  - You have **30 seconds** to catch as many butterflies as possible.
  - A true race against time!
- **Endless**
  - Enjoy **unlimited time** to catch as many butterflies as you wish.

## In-Game Controls

- **Click on the butterflies** to capture them.
- **Pause:** Click on the button at the top right to access the pause menu:
  - **'Resume'** to resume (also works by clicking outside the frame).
  - **'Back to Menu'** to return to the main menu and end the game.
  - **'Quit'** to quit the game (with a little surprise).

## In-Game Interface

- **Remaining or elapsed time:** Displayed at the bottom left of the screen.
- **Number of butterflies caught:** Displayed at the bottom right.
- **Pause menu:** Accessible at the top right.

## End of Game

At the end of each game:

- A **pop-up** displays your statistics in the menu.
- Your score is automatically saved if the "Score Saving" option is enabled.

## Score Management

- Click on "**Display Score**" (at the top-left) to view the best scores.
- From the score menu:
  - Use "**Change Display**" to modify how the scores are sorted:
    - Three sorting options are available: By gameplay time, catches, and score.
  - **Save or discard your score**: Decide via the button at the bottom-left.
  - **Choose a random nickname**: Click the button on the right to pick a perfect name.

## Installation and Launch

1. Run the command '**make re**' in a terminal (be careful to be in the good directory)
2. Start the game with '**./my\_hunter**' or **double click** the executable

## Additional Notes

- The game is optimized for a **1792 x 1024 window size**. Please avoid altering this value for optimal functionality. The game is designed to offer a simple and enjoyable user experience with great attention to detail.
- Take the time to discover the **surprise** when quitting the game!

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Enjoy **My Butterfly** and catch as many butterflies as possible!