
The Festive Hangman

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1. Overview

This project is an extended version of the childhood game “Hangman”. It includes a festive Christmas theme which can be played in both single-player and multiplayer modes. Players must guess the hidden word, one letter at a time while they see their progress through the hangman figure. Additional features include a Christmas theme word list, custom visual elements and background music, bringing the holiday spirit to life. Multiplayer mode allows players to challenge their friends in a fun and competitive setting.

This documentation outlines the key features, and instructions for running and experiencing the game.

2. Description of Code

File name	Description
main.py	Starts the game
christmas_words.py	Provides the list of Christmas-themed words
hangman_visual.py	Displays the Hangman figure in the different stages
multiplayer_mode.py	Handles multiplayer gameplay logic
jingle_bells.mp3	Festive background music for the game

3. How to run the code

1. Download the GitHub folder
2. Make sure that pygame is installed. To download open terminal or command prompt and type: `pip install pygame`
3. Run the game: Locate the folder where the files are saved, then launch main.py by typing: `python main.py`
4. Enjoy the game

4. How to play

To play the Hangman game, your objective is to guess the hidden word by suggesting letters one at a time. The game offers two modes: single-player and multiplayer. In single-player mode, the game randomly selects a word from a festive Christmas-themed word list, and your task is to uncover the word before the Hangman figure is fully drawn. In multiplayer mode, one player enters a word while the other player attempts to guess it.

After selecting the game mode, you will be prompted to guess a letter. If the letter is part of the hidden word, it will be revealed in the correct position. If the letter is not part of the word, a part Hangman figure will be drawn, and the game continues until you either finish the word or you run out of lives and the Hangman figure is completely drawn.