Balloon shooting challenge

Coding challenge

Develop a shooting game using Python. You can use any development environment that you like. The goal is to shoot the balloon down. The player can move the cannon up and down using the arrow keys, to fire a bullet the player will press the space key.

- The Balloon should move up and down randomly.
- The player can shoot one bullet at a time or multiple bullets at a time.
- The game ends when the balloon is shot down, please show the number of missed shots.
- The bullet speed should be 10 times the speed of the balloon.
- If you have to use pyGame, then make it obvious which version you are using.
- Do not submit anything other than a single py file and the assets you need to use.
- Do not submit it in anything other than a zip file, no .rar etc.
- Do not submit it using Jupyter or any other fancy way of distributing software.
- If I can't download it in one go and need to install anything else, then I will not look at it.
- If you don't use relative paths for assets and I have to download and move the assets around to make it work then I will not look at it.
- Do not plagiarize a copy from the internet, and if you do at least go to the effort of modifying it significantly.
- File name convention: FirstName_LastName_balloon.py, that way I always know which one is yours.
- You can make it as fancy as you like, but it has to work.