SCALE FOR PROJECT CPP MODULE 03

ps here. Use the "Cheat" flag to report it. Take this decision calmly, wisely

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rks as required. If there isn't, do not grade this

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uired. If there isn't, do not grade this

Introduction

Please comply with the following rules: Remain polite, courteous, respectful and constructive throughout the evaluation process. The well-being of the community depends on it.

Identify with the student or group whose work is evaluated the pos dysfunctions in their project. Take the time to discuss and debate the problems that may have been identified.

- You must consider that there might be some differences in how your peer might have understood the project's instructions and the scope of its functionalities. Always keep an open mind and grade them as honestly as possible. The pedagogy is useful only and only if the peer-evaluation is done scripture.

Guidelines

- Only grade the work that was turned in the Git repository of the estudent or group.

Double-check that the Git repository belongs to the student(s). Ensure
the project is the one expected. Also, check that "git clone" is used in an
empty folder.

- Check carefully that no malicious aliases was used to fool yo evaluate something that is not the content of the official reposit To avoid any surprises and if applicable, review together any scripts us to facilitate the grading (scripts for testing or automation). you have not completed the assignment you are going to evaluate, you he ead the entire subject prior to starting the evaluation process. If you have not completed the assignm

- Use the available flags to report an empty repository, a non-functioning program, a Norm error, cheating, and so forth.

In these cases, the evaluation process ends and the final grade is 0, or -42 in case of cheating. However, except for cheating, student are strongly encouraged to review together the work that was turned in, in ard to identify any mistakes that shouldn't be repeated in the future.

You should never have to edit any file except the configuration file if it exists. If you want to edit a file, take the time to explicit the reasons with the evaluated student and make sure both of you are okay with this.

- You must also verify the absence of memory leaks. Any memory all the heap must be properly freed before the end of execution.

You are allowed to use any of the different tools available on the cor such as leaks, valgrind, or e_fence. In case of memory leaks, fick the appropriate flag.

Preliminary tests of cheating is suspected, the evaluation storand please, use this button with caution.

The code must compile with c++ and the flags -Wall -Wextra -We Don't forget this project has to follow the C++98 standard. Thus, C++11 (and later) functions or containers are NOT expected.

Any of these means you must not grade the exercise in question.

- A function is implemented in a header file (except for template functions).

- A Makefile compiles without the required flags and/or anothe compiler than c++.

any of these means that you must flag the project with "Fo

Function*:
- Use of a "C" function ("alloc, "printf, free).
- Use of a "Unction not allowed in the exercise guidelines.
- Use of "using namespace" or the "friend" keyword.
- Use of an external library, or features from versions other than

Ex00: Aaaaand... OPEN! As usual, there has to be enough tests to pro-

Class and attrib

Member functions The class has following me - takeDamage - beRepaired

Class and attributes is a ScavTrap class

ass has following m

Construction and destruction

Special feature

ClapTrap message.

- attack - takeDamage - beRepaired (je (inherite Repaired (inherited) outputs of the constr be different from the ClapTrap's.

- hit points

ere is a ClapTrap class. has all the following private attrib

The attributes are initialized to the required values ⊘ Yes

⊘ Yes

inere is a scovirap class. The ScavTrap publicly inherits from the ClapTrap clas It does not re-declare any attributes. The ClapTrap attributes are now protected instead of private.

The attributes are initialized to the required values.

Exercise 01: Serena, my love! As usual, there has to be enough tests to prove the p

mere must be a constructor and a destructor for the ScavTrap displaying specific messages. They must be implemented so that they are called in the correct order when used. This means if you create a ScavTrap, it must first display the ClapTrap's message then the ScavTrap's. If you delete a ScavTr it must display the ScavTrap's message first, then the ClapTrap's.

Scavīrap has a guardGate() function that displays a message on standard output. It has also an attack() function that displays a sh message on the standard output, which must be different from the

⊘ Yes

There is a FragTrap class that publicly inherits from ClapTrap. Attributes must not be re-declared without reasons.

⊘ Yes

There must be a constructor and a destructor for the FragTrap displaying specific messages. They must be implemented so that they are called in the correct order when used. This means if you create a FragTrap, it must first display the ClapTrap's message then the FragTrap's. If you delete a FragTrap it must display the FragTrap's message first, then the ClapTrap's. ⊗ Yes

e is a highFivesGuys() function that displays a message on th

The attributes are set to the appropriate values.

It uses virtual inheritance to avoid the pitfalls of diamond inheritance.

The DiamondTrap uses the attack() method of the Scavtrap t has the special functions of both its parents.

The DiamondTrap has a private std::string name

The function whoAmI() can display both name and clapTrap::name.

⊗ Yes

Ex03: Now it is weird!

eird feat There is a DiamondTrap class. It inherits from both the FragTrap and the ScavTrap.

struction and destruction

Special feature

standard output.

Choose wisely...

As usual, there has to be enough tests to prove the program works as required. If there isn't, do not grade this

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Ex02: Repetitive work