fl (https://profile.intra.42.fr/searches)

ppipes

(https://profile.intra.42.fr/)

Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defences during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the benefits of the entire community.

SCALE FOR PROJECT CPP MODULE 04 (HTTPS://PROJECTS.INTRA.42.FR/PROJECTS/CPP-MODULE-04)

You should evaluate 1 student in this team

¥

Git repository

git@vogsphere.msk.21-school.ru:vogsphere/intra-uuid-c43c7d97-711d-431

8

Introduction

- Only grade the work that is in the student or group's GiT repository.
- Double-check that the GiT repository belongs to the student or the group. Ensure that the work is for the relevant project and also check that "git clone" is used in an empty folder.
- Check carefully that no malicious aliases were used to fool you and make you evaluate something other than the content of the official repository.
- To avoid any surprises, carefully check that both the evaluating and the evaluated students have reviewed the possible scripts used to facilitate the grading.
- If the evaluating student has not completed that particular project yet, it is mandatory for this student to read the entire subject prior to starting the defence.
- Use the flags available on this scale to signal an empty repository, non-functioning program, a norm error, cheating etc. In these cases, the grading is over and the final grade is 0 (or -42 in case of cheating). However, with the exception of cheating, you are encouraged to continue to discuss your work (even if you have not finished it) in order to identify any issues that may have caused this failure and avoid repeating the same mistake in the future.
- Remember that for the duration of the defence, no segfault, no other unexpected, premature, uncontrolled or unexpected termination of the program, else the final grade is 0. Use the appropriate flag.

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 allocated on the heap must be properly freed before the end of execution.

You are allowed to use any of the different tools available on the computer, such as leaks, valgrind, or e fence. In case of memory leaks, tick the appropriate flag.

Disclaimer

Please respect 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 person (or the group) evaluated the eventual dysfunctions of the work. Take the time to discuss and debate the problems you have identified.
- You must consider that there might be some difference in how your peers might have understood the project's instructions and the scope of its functionalities. Always keep an open mind and grade him/her as honestly as possible. The pedagogy is valid only and only if peer-evaluation is conducted seriously.

Guidelines

You must compile with clang++, with -Wall -Wextra -Werror As a reminder, this project is in C++98 and C++20 members 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 (except in a template)
- A Makefile compiles without flags and/or with something other than clang++

Any of these means that you must flag the project as Forbidden Function:

- Use of a "C" function (*alloc, *printf, free)
- Use of a function not allowed in the subject
- Use of "using namespace" or "friend"
- Use of an external library, or C++20 features

Attachments

subject.pdf (https://cdn.intra.42.fr/pdf/pdf/13171/en.subject.pdf)

ex00

As usual, there has to be a main function that contains enough tests to prove the program works as required. If there isn't, do not grade this exercise. If any non-interface class is not in Coplien's form, do not grade this exercise.

Thorough testing

There are tests in the main with derived classes other than Peon, and everything works well with them.

everything works well with them.		
属 Yes	■ No	
I want sheeps !		
The Victim can getPolymorphed() const, with the correct output. The Sorcerer can polymorph(Victim const &) const.		
属 Yes	® No	
Destructor chaining		
The destructors in Victim and derived are virtual.		
ছি Yes	® No	
Easy subclass		
There is a Peon class that inherits publicly from Victim. It has the correct outputs.		

® No

Victim

There is a Victim class. It has a name. The required outputs on construction and destruction are present.

Yes

The required overload of operator << to ostream is present and works correctly

屠 Yes	® No
Sorcerer	
There is a Sorcerer class. It has a name and a title. It has a constructor with name and title. It cannot be instanciated without parameters. That means either the default constructor must be private, or it must be declared but non-implemented, to comply with Coplien's form. The required outputs on construction and destruction are present. The required overload of operator << to ostream is present and works corrected.	ectly.
ℝ Yes	₩ No
ex01	
As usual, there has to be a main function that contains enough tests to provisin't, do not grade this exercise. If any non-interface class is not in Coplien's	
Concrete enemies	
There are concrete SuperMutant and RadScorpion enemies (That inherit from Enemy, obviously) They have the required attributes. The SuperMutant	
has the required overload of takeDamage() and it works as required.	
№ Yes	® No
Character	
There is a Character class. It has the attributes required by the subject: name, AP, pointer to AWeapon. It has the required AP behavior: 40 on start, it looses X AP on attack depending on the weapon, and recovers 10 AP with recoverAP up to a maximum of 40. attack() fails if there aren't enough AP.	
■ Yes	₩ No
Concrete weapons	
There are concrete PlasmaRifle and PowerFirst weapons. (So, they inherit from AWeapon) They have the attributes and attack() outputs specified by the subject.	
· ¶ Yes	圆 No
Utility and output	
The equip() and attack() functions work as required. The << overload works as required.	
₩ Yes	® No
Destructor chaining 2	
The destructors in AWeapon and its derived classes are virtual.	
· Fes	■ No
Thorough testing	
There are tests in the main with more derived weapons and more derived e	enemies. "

® No
· ■ No
E 110
<u>.</u>
 No
w NO
· Solution No.
to prove the program works as required. If there
oplien's form, do not grade this exercise.
/ like
■ No
a. .
S S No No S S S S S S S S S S S S S
nherit
· Ro
et required.
et required. No

12/2/20, 6:00 PM 4 of 6

isn't, do not grade this exe	rcise. If any non-interface class is not in Coplien's form,	do not grade this exercise.
Interfaces		
The ICharacter and IMater exactly like in the subject.	iaSource interfaces are present and are	
	R Yes	₩ No
Source		
The MateriaSource class is member functions work as	s present and implements IMateriaSource. The intended.	
	® Yes	屬 No
Concrete materia		
	d Cure classes that inherit from AMateria Their implemented. Their outputs are correct.	
	图 Yes	屬 No
Character		
an inventory of 4 materias.	sent and implements ICharacter. It has implemented as the subject requires.	
	ℝ Yes	® No
Materia base		
	s. It has a type. It's abstract (clone is pure). ented as the subject requires.	
	ℝ Yes	■ No
Assignation and copy		
The copy and assignation deep copy, very much like	of a Character are implemented as required (= the previous exercise).	
		■ No
ex04		
As usual, there has to be a	a main function that contains enough tests to prove the rcise. If any non-interface class is not in Coplien's form,	· ·
Basics		
The IAsteroid and IMiningL Asteroids and MiningLaser	aser interfaces are present. Concrete rs are implemented.	
	ℝ Yes	® No
DD's patcher !		
there should be a beMined and the mine() method showhich would dispatch the casteroid (subtype polymory Basically the double-dispathow the clever bit: if the stuses typeid, dynamic_cast	th mechanism works as required. In theory, I(StripMiner *) and a beMined(DeepCoreMiner*), buld call beMined passing "this" as parameter, call to a method that depends on the type of the phism) and the type of the laser (adhoc polymorphism), there design pattern, just a bit dumber, udent tries to pass off a technique that the names of the lasers/asteroids, etc. to HE WHOLE PROJECT AS CHEAT and leave it at that,	

	ings				
Don't to	rget to check the flag con	responding to the defense	№ Outst	anding project	
B E	mpty work	author file W Invalid cor	mpilation 🖫 Normo	e 📳 Cheat	d Crash
	■ Leaks		l Forb	idden function	
Cor	nclusion				
	nclusion comment on this evaluat		evaluation		
			evaluation		