gjessica (https://projects.intra.42.fr/scale_teams/3277590/edit#)

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

(https://profile.intra 42 fr/searches)
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-3a2fdec7-0117-4fa 🗆

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/25937/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. □ Yes □ No I want sheeps! The Victim can getPolymorphed() const, with the correct output. The Sorcerer can polymorph(Victim const &) const. □ No □ Yes **Destructor chaining** The destructors in Victim and derived are virtual. ☐ Yes □ No Easy subclass There is a Peon class that inherits publicly from Victim. It has

□ No

□ Yes

the correct outputs.

There is a Victim class. It has a name. The required outputs on construction and destruction are present.	
The required overload of operator << to ostream is present and works correctly	
□ 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 b 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	correctly.
□ Yes	□ No
ex01	
As usual, there has to be a main function that contains enough tests to there isn't, do not grade this exercise. If any non-interface class is not	
Concrete enemies	
There are concrete SuperMutant and RadScorpion enemies (That inh from Enemy, obviously) They have the required attributes. The SuperMutant has the required overload of takeDamage() and it works as required.	erit
□ Yes	□ №
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	
There are concrete PlasmaRifle and PowerFirst weapons. (So, they inherit from AWeapon) They have the attributes and attack() outputs specified	□ No
There are concrete PlasmaRifle and PowerFirst weapons. (So, they inherit from AWeapon) They have the attributes and attack() outputs specified by the subject.	□ No
There are concrete PlasmaRifle and PowerFirst weapons. (So, they inherit from AWeapon) They have the attributes and attack() outputs specified by the subject.	□ No
There are concrete PlasmaRifle and PowerFirst weapons. (So, they inherit from AWeapon) They have the attributes and attack() outputs specified by the subject.	□ No

	□ Yes	□ No
Thorough testing		
There are tests in the n	nain with more derived weapons and more derived	enemies.
	□ Yes	□ No
Destructor chaining A	AGAIN	
The destructors in Energy	my and its derived classes are virtual.	
	□ Yes	□ №
Enemy		
subject: type, number of Its member functions a	ss. It has the attributes required by the of HP re implemented coherently. ck in takeDamage to prevent going under 0 HP.	
	□ Yes	□ No
Weapon		
n has the authorites fed		
damage, AP cost.	uired by the subject : name, re implemented coherently	
damage, AP cost.		□ No
damage, AP cost. Its member functions a	re implemented coherently	□ No
damage, AP cost. Its member functions a	re implemented coherently	
damage, AP cost. Its member functions a ex02 As usual, there has to be	re implemented coherently	ove the program works as required. If
damage, AP cost. Its member functions a ex02 As usual, there has to be there isn't, do not grade	re implemented coherently Yes be a main function that contains enough tests to pro	ove the program works as required. If
damage, AP cost. Its member functions a ex02 As usual, there has to be there isn't, do not grade Interfaces The ISquad and ISpace	re implemented coherently Yes be a main function that contains enough tests to present in severcise. If any non-interface class is not in severcise.	ove the program works as required. If Coplien's form, do not grade this exercise.
damage, AP cost. Its member functions a ex02 As usual, there has to be there isn't, do not grade Interfaces The ISquad and ISpace	re implemented coherently Yes be a main function that contains enough tests to present in severcise. If any non-interface class is not in severcise.	ove the program works as required. If Coplien's form, do not grade this exercise.
damage, AP cost. Its member functions a Ex02 As usual, there has to be there isn't, do not grade Interfaces The ISquad and ISpace the ones in the subject.	re implemented coherently Yes be a main function that contains enough tests to prove this exercise. If any non-interface class is not in Comparing the contains are exactly like.	ove the program works as required. If Coplien's form, do not grade this exercise.
damage, AP cost. Its member functions a EXO2 As usual, there has to be there isn't, do not grade Interfaces The ISquad and ISpace the ones in the subject. Concrete squad The Squad class is prefunctions work as requi	re implemented coherently Yes be a main function that contains enough tests to prove this exercise. If any non-interface class is not in Comparison of the exercise are present and are exactly like and the exercise. Yes	ove the program works as required. If Coplien's form, do not grade this exercise.
damage, AP cost. Its member functions a EXO2 As usual, there has to be there isn't, do not grade Interfaces The ISquad and ISpace the ones in the subject. Concrete squad The Squad class is prefunctions work as requi	re implemented coherently Yes be a main function that contains enough tests to prove this exercise. If any non-interface class is not in Comparison of the exercise are present and are exactly like and the exercise. Yes	ove the program works as required. If Coplien's form, do not grade this exercise.
damage, AP cost. Its member functions a EXO2 As usual, there has to be there isn't, do not grade Interfaces The ISquad and ISpace the ones in the subject. Concrete squad The Squad class is prefunctions work as requi	re implemented coherently Yes De a main function that contains enough tests to prove this exercise. If any non-interface class is not in Comparing the exactly like embedding. We have the exactly like the contained units.	ove the program works as required. If Coplien's form, do not grade this exercise.
damage, AP cost. Its member functions a EXO2 As usual, there has to be there isn't, do not grade Interfaces The ISquad and ISpace the ones in the subject. Concrete squad The Squad class is prefunctions work as requilits destructor destroys and concrete units	re implemented coherently ☐ Yes De a main function that contains enough tests to prove this exercise. If any non-interface class is not in Comparison of the exercise are present and are exactly like on the exercise. ☐ Yes ☐ Yes ☐ AssaultTerminator classes are present and inheritation.	ove the program works as required. If Coplien's form, do not grade this exercise.
damage, AP cost. Its member functions a EXO2 As usual, there has to be there isn't, do not grade Interfaces The ISquad and ISpace the ones in the subject. Concrete squad The Squad class is prefunctions work as requilits destructor destroys in the Tactical Marine and from ISpaceMarine.	re implemented coherently ☐ Yes De a main function that contains enough tests to prove this exercise. If any non-interface class is not in Comparison of the exercise are present and are exactly like on the exercise. ☐ Yes ☐ Yes ☐ AssaultTerminator classes are present and inheritation.	ove the program works as required. If Coplien's form, do not grade this exercise.

	□ Yes	□ No
		ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise
nterfaces		
he ICharacter and xactly like in the s	I IMateriaSource interfaces are present ubject.	and are
	□ Yes	□ No
ource he MateriaSource nember functions v	class is present and implements IMate work as intended.	eriaSource. The
	□ Yes	□ No
Concrete materia		
	Ice and Cure classes that inherit from orrectly implemented. Their outputs are	
	□ Yes	□ No
n inventory of 4 m	s is present and implements ICharacte aterias. ons are implemented as the subject rec	
	□ Yes	□ No
/lateria base		
	ia class. It has a type. It's abstract (clor mplemented as the subject requires.	ne is pure).
	□ Yes	□ No
Assignation and o	сору	
	nation of a Character are implemented such like the previous exercise).	as required (=
	□ Yes	□ No
ex04 Is usual, there has	to be a main function that contains en	ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise

	□ Yes			□ No		
DD's patcher !						
there should be a and the mine() m which would disp asteroid (subtype Basically the dou Now the clever bi uses typeid, dyna select the output,	a beMined(StripMine lethod should call be lethod should call be leatch the call to a me e polymorphism) and lible-dispatcher designit: if the student tries amic_cast, the name	sm works as required. In r*) and a beMined(Deep Mined passing "this" as whod that depends on the type of the laser (ad pattern, just a bit duming to pass off a technique as of the lasers/asteroids E PROJECT AS CHEAT by the subject.	oCoreMiner*), parameter, e type of the lhoc polymorp oer. that , etc. to	·		
	□ Yes			□ No		
Ratings Don't forget to che	eck the flag correspond	ding to the defense		Outstanding pro	ject	
□ Empty work	□ No author file	W Invalid compilation	□ Norme	□ Cheat	d Crash	□ Leaks
□ Empty work	□ No author file	W Invalid compilation		□ Cheat	d Crash	□ Leaks
Conclus	sion	·		□ Cheat	d Crash	□ Leaks

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