(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 PROJECTCPP MODULE 04 (HTTPS://PROJECTS.INTRA.42.FR/PROJECTS/CPP-MODULE-04)

You should evaluate 1 student in this team

9

Git repository

9

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 yourpeers 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

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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		
-	in with dariyad classes other t	han Peon, and everything works well with them.
mere are tests in the ma	iii witii derived classes otiler t	nan Peon, and everything works wen with them.
	¥ Yes	₿ No
I want sheeps!		
000000000000000000000000000000000000000	ornhed() const with the corre	ct output. The Sorcerer can polymorph(Victim const &) const.
The victim can get rolymo	orphieu() const, with the corre	ct output. The sorter of can polymorph (victim const &) const.
Destructor chaining	# Yes	■ No
The destructors in Victim	and derived are virtual.	
Easy subclass	Yes	■ No
There is a Peon class that	inherits publicly from Victim.	It has the correct outputs.
Victim	¥ Yes	 No
There is a Victim class. It	has a name. The required outp	outs on construction and destruction are present.
The required overload of	operator << to ostream is pre	sent and works correctly

☐ Yes	I No
Sorcerer	
There is a Sorcerer class. It has a name and a title. It has a constit cannot be instanciated without parameters. That means either the default constructor must be private, or it Coplien's form.	
The required outputs on construction and destruction are present required overload of operator << to ostream is present and	
Yes	No
ex01	
As usual, there has to be a main function that contains enough not grade this exercise. If any non-interface class is not in Copli	
Concrete enemies	
There are concrete SuperMutant and RadScorpion enemies (The They have the required attributes. The SuperMutant has the re	***
Character	
There is a Character class. It has the attributes required by the	subject: name, AP, pointer to AWeapon.
Yes	I No
It has the required AP behavior: 40 on start, it looses X AP on a recoverAP up to a maximum of 40. attack() fails if there aren'	
Concrete weapons	
There are concrete PlasmaRifle and PowerFirst weapons. (So, to They have the attributes and attack() outputs specified by the state of	
Utility and output	
Yes	I No
The equip() and attack() functions work as required. The << over	erload works as required.
Destructor chaining 2	
The destructors in AWeapon and its derived classes are virtual.	
☐ Yes	i No
The country is a section	
Thorough testing There are tests in the main with more derived weapons and mo	ore derived enemies."
There are tests in the main with more derived weapons and mo	de derived ellernies.
Yes	₹ No
Yes	I No
163	110

	Yes	No
Destructor chaining AGAI	N	
	Yes	No
The destructors in Enemy	and its derived classes are virtual.	
Enemy		
Its member functions are	t has the attributes required by the subject: type, number implemented coherently. in takeDamage to prevent going under 0 HP. Yes	of HP
Weapon		
There is an AWeapon class	s. It is abstract (attack() must be a pure virtual function). red by the subject : name, damage, AP cost. implemented coherently	
ex02		
	Yes	No
	n main function that contains enough tests to prove the pro any non-interface class is not in Coplien's form, do not grad	
Interfaces		
IIICIIaccs		
	rine interfaces are present and are exactly like the ones in	the subject.
	rine interfaces are present and are exactly like the ones in	the subject.
The ISquad and ISpaceMa Concrete squad The Squad class is present	t and inherits from ISquad Its member functions work as re	
The ISquad and ISpaceMa	t and inherits from ISquad Its member functions work as re	
The ISquad and ISpaceMa Concrete squad The Squad class is present	t and inherits from ISquad Its member functions work as re e contained units.	equired.
The ISquad and ISpaceMa Concrete squad The Squad class is present Its destructor destroys the	t and inherits from ISquad Its member functions work as re e contained units. Yes ssaultTerminator classes are present and inherit from ISpa	equired.
The ISquad and ISpaceMa Concrete squad The Squad class is present Its destructor destroys the Concrete units The TacticalMarine and As Their member functions w	t and inherits from ISquad Its member functions work as re e contained units. Yes ssaultTerminator classes are present and inherit from ISpa	equired. I No ceMarine.
The ISquad and ISpaceMal Concrete squad The Squad class is present Its destructor destroys the Concrete units The TacticalMarine and As	t and inherits from ISquad Its member functions work as re e contained units. Yes ssaultTerminator classes are present and inherit from ISpa	equired.
The ISquad and ISpaceMa Concrete squad The Squad class is present Its destructor destroys the Concrete units The TacticalMarine and As Their member functions w Assignment and copy The copy and assignation	t and inherits from ISquad Its member functions work as re e contained units. Yes ssaultTerminator classes are present and inherit from ISpa	equired. I No ceMarine.
The ISquad and ISpaceMa Concrete squad The Squad class is present Its destructor destroys the Concrete units The TacticalMarine and As Their member functions w Assignment and copy The copy and assignation	t and inherits from ISquad Its member functions work as rece contained units. Yes ssaultTerminator classes are present and inherit from ISpa work as required. Yes	equired. I No ceMarine.
The ISquad and ISpaceMa Concrete squad The Squad class is present Its destructor destroys the Concrete units The TacticalMarine and As Their member functions w Assignment and copy The copy and assignation	and inherits from ISquad Its member functions work as rece contained units. Yes SesaultTerminator classes are present and inherit from ISpa work as required. Yes Dehaviours of the Squad are as the subject required. That croyed before they are replaced.	equired. No ceMarine. No means deep copy, and upon assignation,

ex03

he ICharacter and I	MateriaSource interfaces are presen	t and are exactly like in the subject.
	Yes	I No
Source		
	class is present and implements IMat	eriaSource. The member functions work as intended.
Concrete materia		
	Yes	₹ No
There are concrete I outputs are correct.		AMateria Their clone() method is correctly implemented. Their
Character		
	Yes	Ⅱ No
	is present and implements ICharacte ons are implemented as the subject r	
Materia base		
here is an AMateria	a class. It has a type. It's abstract (clo \square Yes	ne is pure). The XP system is implemented as the subject requires.
Assignation and cop	ру	
he copy and assign	ation of a Character are implemente	d as required (= deep copy, very much like the previous exercise).
	Yes	₹ No
ex 0 4	Yes	I No
As usual, there has t	o be a main function that contains e	
As usual, there has t	o be a main function that contains e	nough tests to prove the program works as required. If there isn't, do
As usual, there has t	o be a main function that contains ei ise. If any non-interface class is not ir	nough tests to prove the program works as required. If there isn't, do I Coplien's form, do not grade this exercise.
As usual, there has t not grade this exerci Basics	o be a main function that contains en ise. If any non-interface class is not in Yes	nough tests to prove the program works as required. If there isn't, do I Coplien's form, do not grade this exercise.
As usual, there has t not grade this exerci Basics	o be a main function that contains en ise. If any non-interface class is not in Yes	nough tests to prove the program works as required. If there isn't, do n Coplien's form, do not grade this exercise.
Basics The IAsteroid and IM The mine/beMined of beMined (DeepCorel call to a method that bolymorphism). Basicollymorphism). Basicollymorphism). Basicollymorphism). Basicollymorphism).	o be a main function that contains en ise. If any non-interface class is not in Yes AiningLaser interfaces are present. Contained the dispatch mechanism works as required Miner*), and the mine() method shout depends on the type of the asteroically the double-dispatcher design process.	nough tests to prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. No not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If there isn't, do not prove the program works as required. If the prove the program works are required. If the prove the program works are required. If the program works are required. If the program works are required. If the prove the program works are required. If the pro
Basics The IAsteroid and IM DD's patcher! The mine/beMined of beMined (DeepCorel call to a method that boolymorphism). Basicass off a technique	o be a main function that contains ensise. If any non-interface class is not in Yes AliningLaser interfaces are present. Contained the main of the asteroistically the double-dispatcher design potential that uses typeid, dynamic_cast, the Yes	nough tests to prove the program works as required. If there isn't, do a Coplien's form, do not grade this exercise. No Increte Asteroids and MiningLasers are implemented. In theory, there should be a beMined(StripMiner *) and a culd call beMined passing "this" as parameter, which would dispatched (subtype polymorphism) and the type of the laser (adhoc attern, just a bit dumber. Now the clever bit: if the student tries to names of the lasers/asteroids, etc. to select the output, MARK THE

	屠 Yes		■ No		
Rat	ings				
Don't fo	rget to check the flag corre	sponding to the defense			
	₩ Ok		outstand	ding project	
N E	mpty work	hor file W Invalid co	mpilation Morme	Electrical distribution	Crash
	Leaks		l Forbidd	len function	
Leave a	comment on this evaluatio				
		Finish 6	evaluation		
erm of use of	Privacy policy	Legal notices		Rules of procedure	Terms of u
ne site	(https://signin.intra.42.fr	(https://signin.intra.42.fr	of cookies	(https://signin.intra.42.fr	