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

Δ	tta	വ	h	m	ρ	n	ts
$\boldsymbol{-}$	LLC	u					

□ subject.p	df (htt	ps://cdn.intra	.42.fr/pdf/	pdf/25937	/en.sub	ject.	odf)
-------------	---------	----------------	-------------	-----------	---------	-------	------

## 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.

## 

## There is a Peon class that inherits publicly from Victim. It has

Easy subclass

the correct outputs.

□ Yes □ No

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 work	KS .
correctly	
□ Yes	□ No
Sorcerer	
There is a Sorcerer class. It has a name and a title. It has a constructor with name and title.	
t 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 work	s correctly.
□ Yes	□ No
ex01	4 4b
As usual, there has to be a main function that contains enough tests there isn't, do not grade this exercise. If any non-interface class is no	
Concrete enemies	
There are concrete SuperMutant and RadScorpion enemies (That in	herit
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: 10 on start, it looses X AP on attack	<b>\</b>
It has the required AP behavior: 40 on start, it looses X AP on attack depending on the weapon, and recovers 10 AP	
depending on the weapon, and recovers 10 AP	
depending on the weapon, and recovers 10 AP with recoverAP up to a maximum of	
depending on the weapon, and recovers 10 AP with recoverAP up to a maximum of 40. attack() fails if there aren't enough	
depending on the weapon, and recovers 10 AP with recoverAP up to a maximum of 40. attack() fails if there aren't enough	□ No
depending on the weapon, and recovers 10 AP with recoverAP up to a maximum of 40. attack() fails if there aren't enough AP.	□ No
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  Concrete weapons	
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  Concrete weapons There are concrete PlasmaRifle and PowerFirst weapons. (So, they	
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  Concrete weapons There are concrete PlasmaRifle and PowerFirst weapons. (So, they inherit from AWeapon)	
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  Concrete weapons	
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  Concrete weapons There are concrete PlasmaRifle and PowerFirst weapons. (So, they inherit from AWeapon) They have the attributes and attack() outputs specified	
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  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.	
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  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  Utility and output	□ No
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  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.	□ No
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  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  Utility and output The equip() and attack() functions work as required. The << overload	□ No

The destructors in	·	
	□ Yes	□ No
Thorough testing		
There are tests in t	he main with more derived weapons an	d more derived enemies.
	□ Yes	□ No
Destructor chaini	ng AGAIN	
The destructors in	Enemy and its derived classes are virtu	al.
	□ Yes	□ No
Enemy		
subject: type, numb Its member function	class. It has the attributes required by toper of HP ns are implemented coherently. check in takeDamage to prevent going	
	□ Yes	□ No
 Weapon		
pure virtual functior It has the attributes	on class. It is abstract (attack() must be n). s required by the subject : name,	э а
oure virtual function It has the attributes damage, AP cost.	n).	e a □ No
pure virtual function It has the attributes damage, AP cost.	n). s required by the subject : name, ns are implemented coherently	
pure virtual functior It has the attributes damage, AP cost. Its member function	n). s required by the subject : name, ns are implemented coherently	
pure virtual function It has the attributes damage, AP cost. Its member function  ex02  As usual, there has	n). Is required by the subject : name, Ins are implemented coherently  Ins Yes Ins to be a main function that contains end	□ No Dough tests to prove the program works as required. If
pure virtual function It has the attributes damage, AP cost. Its member function Its usual, there has there isn't, do not go Interfaces  The ISquad and IS	n). Is required by the subject : name, Ins are implemented coherently  Yes  Is to be a main function that contains enderade this exercise. If any non-interface  paceMarine interfaces are present and	□ No  ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise
pure virtual function It has the attributes damage, AP cost. Its member function Its usual, there has there isn't, do not go Interfaces  The ISquad and IS	n). Is required by the subject : name, Ins are implemented coherently  Yes  Is to be a main function that contains enderade this exercise. If any non-interface  paceMarine interfaces are present and	□ No  ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise.
pure virtual function It has the attributes damage, AP cost. Its member function Its m	n). In required by the subject : name, Ins are implemented coherently  Ins Yes  Ins to be a main function that contains end Instruction that end in the exercise. If any non-interface  Instruction that contains end In	□ No  ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise.  are exactly like
ex02  As usual, there has there isn't, do not get the ones in the subfunctions the ones in the subfunctions work as refunctions work as refunctions.	n). Is required by the subject : name, Ins are implemented coherently  Yes  Is to be a main function that contains enderade this exercise. If any non-interface  paceMarine interfaces are present and oject.  Yes  Is present and inherits from ISquad Its m	□ No  ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise.  are exactly like
ex02  As usual, there has there isn't, do not get the ones in the subfunctions the ones in the subfunctions work as refunctions work as refunctions.	n). Is required by the subject : name, Ins are implemented coherently  Yes  Is to be a main function that contains endered this exercise. If any non-interface paceMarine interfaces are present and oject.  Yes  Is present and inherits from ISquad Its mequired.	□ No  ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise.  are exactly like
pure virtual function It has the attributes damage, AP cost. Its member function Its destructor destructions work as rults destructor destructions work as rules are rules as rules are rules at the second in the substitution Its destructor destruction Its destructor destruc	n). Is required by the subject : name, Ins are implemented coherently  Yes  So to be a main function that contains enderade this exercise. If any non-interface  paceMarine interfaces are present and object.  Yes  So present and inherits from ISquad Its man equired.  So yes the contained units.	□ No  ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise.  are exactly like  □ No
pure virtual function It has the attributes damage, AP cost. Its member function Its usual, there has there isn't, do not go Interfaces  The ISquad and IS the ones in the sub Its destructor destructions work as related to the sub Its destructor destructions work as related to the sub Its destructor destructor destructor destructor IspaceMarine IspaceMarine IspaceMarine	n). Is required by the subject : name, Ins are implemented coherently  Yes  Is to be a main function that contains enderade this exercise. If any non-interface  paceMarine interfaces are present and object.  Yes  Is present and inherits from ISquad Its mequired.  Oys the contained units.  Yes  Is and AssaultTerminator classes are presented.	□ No  Ough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise.  are exactly like  □ No  ember
pure virtual function It has the attributes damage, AP cost. Its member function Its destructor destructions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is functions work as related to the Squad class is function Its destructor	n). Is required by the subject : name, Ins are implemented coherently  Yes  Is to be a main function that contains enderade this exercise. If any non-interface  paceMarine interfaces are present and object.  Yes  Is present and inherits from ISquad Its mequired.  Oys the contained units.  Yes  Is and AssaultTerminator classes are presented.	□ No  Dough tests to prove the program works as required. If class is not in Coplien's form, do not grade this exercise.  are exactly like  □ No  ember

	□ Yes	□ No
		nough tests to prove the program works as required. If e class is not in Coplien's form, do not grade this exercis
terfaces		
he ICharacter an xactly like in the s	d IMateriaSource interfaces are preser subject.	at and are
	□ Yes	□ No
ource		
	e class is present and implements IMat work as intended.	eriaSource. The
	□ Yes	□ No
oncrete materia		
	e Ice and Cure classes that inherit from correctly implemented. Their outputs a	
	□ Yes	□ No
Character		
The Character ele	ss is present and implements ICharact	er. It has
n inventory of 4 n	naterias. iions are implemented as the subject re	quires.
in inventory of 4 n		oquires. □ No
n inventory of 4 n	ions are implemented as the subject re	
in inventory of 4 n The member funct Materia base There is an AMate	ions are implemented as the subject re	□ No
n inventory of 4 n The member funct Materia base There is an AMate	□ Yes □ Yes eria class. It has a type. It's abstract (clo	□ No
in inventory of 4 n The member funct Materia base There is an AMate The XP system is	□ Yes □ Yes  Pria class. It has a type. It's abstract (claimplemented as the subject requires. □ Yes	□ No □ ne is pure).
n inventory of 4 nice member function in the	□ Yes □ Yes  Pria class. It has a type. It's abstract (claimplemented as the subject requires. □ Yes	□ No one is pure).
In inventory of 4 not he member funct funct funct funct funct funct funct funct function func	ria class. It has a type. It's abstract (claimplemented as the subject requires.	□ No one is pure).
n inventory of 4 niche member functifier in base. There is an AMate the XP system is assignation and the copy and assigned copy, very m	ria class. It has a type. It's abstract (class) represented as the subject requires.  Personal Yes  Open Seria Class abstract (class) represented as the subject requires.  Personal Yes  Copy  Ignation of a Character are implemented uch like the previous exercise).	□ No □ No □ No □ No □ d as required (=
n inventory of 4 niche member function in the member function in the member function in the member is an AMateria base in the XP system is assignation and the copy and assigned to proper in the copy and assigned property in the copy and assigned	ria class. It has a type. It's abstract (claimplemented as the subject requires.  Yes  Copy Ignation of a Character are implemented uch like the previous exercise).  Yes	□ No □ No □ No □ No □ d as required (=
In inventory of 4 no The member function of t	ria class. It has a type. It's abstract (claimplemented as the subject requires.  Yes  Copy Ignation of a Character are implemented uch like the previous exercise).  Yes	□ No  □ No □ No □ No □ No □ No □ No □ No

	□ 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 tethod should call be tethod should call be teatch the call to a me te polymorphism) and able-dispatcher designate if the student tries amic_cast, the name	sm works as required. In r*) and a beMined(Deep Mined passing "this" as ethod that depends on the the type of the laser (ad properties of the lasers as the pass off a technique to pass off a technique to pass of the lasers/asteroids E PROJECT AS CHEAT by the subject.	oCoreMiner*), parameter, e type of the thoc polymorp ber. that , etc. to	·		
	□ Yes			□ No		
Ratings						
•	eck the flag correspond	ding to the defense		Outstanding pro	oject	
•		ding to the defense  W Invalid compilation	□ (	Outstanding pro □ Cheat	oject d Crash	□ Leaks
Don't forget to che	□ Ok		□ Norme		•	□ Leaks
Don't forget to che  ☐ Empty work	□ Ok	W Invalid compilation	□ Norme		•	□ Leaks
Don't forget to che  ☐ Empty work	□ Ok	W Invalid compilation	□ Norme		•	□ Leaks
Don't forget to che	□ Ok □ No author file	W Invalid compilation	□ Norme		•	□ Leaks

terms & conditions (https://signin.intra.42.fr/legal)