

# Object Oriented Programming – 2017/2018 – 2nd Semester

## Self-evaluation form

Group: 39 Oral discussion date: \_\_\_\_\_ Penalization (days): \_\_\_\_\_  
 Number: 76176 Name: Miguel Rodrigues Expected mark: 18  
 Number: 81086 Name: Afonso Soares Expected mark: 18  
 Number: \_\_\_\_\_ Name: \_\_\_\_\_ Expected mark: \_\_\_\_\_  
 Number: \_\_\_\_\_ Name: \_\_\_\_\_ Expected mark: \_\_\_\_\_

Please fill the following form relative to the **implementation** of the project:

<b>General aspects:</b>		
How do you classify the UML tool used (identify it)? <u>VisualParadigm</u> <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Bad		
Does your application use any external library, besides that provided within JDK? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (which ones?): _____		
How many packages does your application have? <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> $\geq 3$ : <u>4</u>		
How many interfaces does your application have? <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> $\geq 3$ : _____		
Is your application extensible to further developments? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partialy		
Does your application have at least one polymorphic invocation? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (methods?): <u>DoEvent(); AddNext()</u>		
How many times the instanceof operator is used in your application (really count them)? <u>2</u>		
In which methods? <u>Start(); ComapreBest()</u>		
Which XML parser is used to parse the input file? <u>SAX</u>		
Have external libraries been required? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (which ones?): _____		
Do you provide a DTD? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No When parsing, is XML validated against it? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Concerning visibility of the fields, check visibilities that are used in the code: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private <input checked="" type="checkbox"/> Package <input checked="" type="checkbox"/> Protected		
Concerning visibility of the methods, check visibilities that are used in the code: <input checked="" type="checkbox"/> Public <input checked="" type="checkbox"/> Private <input checked="" type="checkbox"/> Package <input checked="" type="checkbox"/> Protected		
Concerning visibility of the classes, check visibilities that are used in the code: <input checked="" type="checkbox"/> Public <input checked="" type="checkbox"/> Package		
Does your application contain any static field? <input type="checkbox"/> Yes (how many?): _____ <input checked="" type="checkbox"/> No		
Does your application contain any static method? <input checked="" type="checkbox"/> Yes (how many?): <u>1</u> <input type="checkbox"/> No		
Does your application contain any user defined exceptions? <input type="checkbox"/> Yes (how many?): _____ <input checked="" type="checkbox"/> No		
<b>Simulation problem:</b>		
Data structure of the events (PEC): <u>ArrayList</u> From java.util? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		
Is it ordered? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, with a: <input checked="" type="checkbox"/> Comparable <input type="checkbox"/> Comparator <input type="checkbox"/> Other		
Are all events implemented as described in the project description and the FAQ?		
Death: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> With faults <input type="checkbox"/> Not implemented		
Reproduction: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> With faults <input type="checkbox"/> Not implemented		
Move: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> With faults <input type="checkbox"/> Not implemented		
Are observations implemented as events? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No All 20 at once in the PEC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Data structure of the individuals: <u>ArrayList</u> From java.util? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		
Is it ordered? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, with a: <input type="checkbox"/> Comparable <input type="checkbox"/> Comparator <input type="checkbox"/> Other		
Data structure for the grid: <u>ArrayList para obstáculos; ArrayList para arestas de custo superior a 1</u> From java.util? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		
Are epidemics implemented as described in the project description? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> With faults <input type="checkbox"/> No		
Are the best 5 individuals stored in memory? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, they are calculated only when needed <input type="checkbox"/> Other		
To decide which individuals survive epidemics, is a random number generated per each? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Are nonsurvivors cleaned from memory? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (why): _____		
Is the best path always found when you run the xml five provided in the Project webpage? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<b>Global evaluation:</b>
What was the degree of participation of each element in the group? (% should sum 100%)? Num <u>76176</u> : <u>50</u> % Num <u>81086</u> : <u>50</u> % Num _____ : _____ % Num _____ : _____ %

In the extent of your perception of the developed work, fill the following tables:

<b>Project documentation</b>	Yes	No
Is the project correctly documented through comments in the source code?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Was the javadoc tool used to build the documentation of the developed packages?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is it complete, with:		
- overview of packages?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- summary of classes, interfaces and exceptions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- brief description of classes, interfaces and exceptions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- summary of fields, constructors and methods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- detail of fields, constructors and methods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<b>Project compilation</b>	Yes	No
Does the project compile without errors?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the project compile without warnings?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If the answer is no, are all these warnings unchecked warnings?	<input type="checkbox"/>	<input type="checkbox"/>

<b>Running</b>	Yes	No	With faults
Is the jar file runnable from the shell?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the project read correctly the parameters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the project run with the input given in the project webpage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the project generate any supplementary information (status, debug, etc)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Development environment used? ☒ Linux ☐ Windows ☐ Unix ☐ Mac/OS

Java version used: 8

Was the final program tested in the laboratory workstations? ☒ Yes ☐ No

The following table is to be filled by the **professor**:

<b>Report</b>	Yes/Good	No/Bad	Incomplete/Fair
Cover identifies the course, authors and group number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Goals of the work are very succinct but clearly stated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intelligibility of the document	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structure of the document	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clear/concise justification of main data structures used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OO solution (extensibility, polymorphism, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Critical evaluation of the application performance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Description of functionalities beyond requested ones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conclusions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>