

Object Oriented Programming – 2017/2018 – 2nd Semester

Self-evaluation form

Group: <u>18</u>	Oral discussion date: _____	Penalization (days): _____
Number: <u>79089</u>	Name: <u>Dinis Rodrigues</u>	Expected mark: <u>17</u>
Number: <u>83976</u>	Name: <u>Tiago Miotto</u>	Expected mark: <u>19</u>
Number: <u>81148</u>	Name: <u>João Trindade</u>	Expected mark: <u>17</u>
Number: _____	Name: _____	Expected mark: _____

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

General aspects:	
How do you classify the UML tool used (identify it)? <u>Visual Paradigm 15</u> <input checked="" type="radio"/> Good <input type="radio"/> Fair <input type="radio"/> Bad	
Does your application use any external library, besides that provided within JDK? <input checked="" type="radio"/> No <input type="radio"/> Yes (which ones?): _____	
How many packages does your application have? <input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> ≥ 3: <u>5</u>	
How many interfaces does your application have? <input type="radio"/> 1 <input type="radio"/> 2 <input checked="" type="radio"/> ≥ 3: <u>3</u>	
Is your application extensible to further developments? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partialy	
Does your application have at least one polymorphic invocation? <input type="radio"/> No <input checked="" type="radio"/> Yes (methods?): <u>SimulateEvent, EventComparator, Compare, IndividualComparator, etc</u>	
How many times the instanceof operator is used in your application (really count them)? <u>None</u>	
In which methods? <u>---</u>	
Which XML parser is used to parse the input file? <u>SAX</u>	
Have external libraries been required? <input checked="" type="radio"/> No <input type="radio"/> Yes (which ones?): _____	
Do you provide a DTD? <input checked="" type="radio"/> Yes <input type="radio"/> No When parsing, is XML validated against it? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Concerning visibility of the fields, check visibilities that are used in the code: <input checked="" type="radio"/> Public <input checked="" type="radio"/> Private <input checked="" type="radio"/> Package <input checked="" type="radio"/> Protected	
Concerning visibility of the methods, check visibilities that are used in the code: <input checked="" type="radio"/> Public <input checked="" type="radio"/> Private <input checked="" type="radio"/> Package <input checked="" type="radio"/> Protected	
Concerning visibility of the classes, check visibilities that are used in the code: <input checked="" type="radio"/> Public <input checked="" type="radio"/> Package	
Does your application contain any static field? <input type="radio"/> Yes (how many?): _____ <input checked="" type="radio"/> No	
Does your application contain any static method? <input checked="" type="radio"/> Yes (how many?): <u>1</u> <input type="radio"/> No	
Does your application contain any user defined exceptions? <input checked="" type="radio"/> Yes (how many?): <u>1</u> <input type="radio"/> No	
Simulation problem:	
Data structure of the events (PEC): <u>PriorityQueue</u> From java.util? <input type="radio"/> No <input checked="" type="radio"/> Yes	
Is it ordered? <input type="radio"/> No <input type="radio"/> Yes, with a: <input type="radio"/> Comparable <input checked="" type="radio"/> Comparator <input type="radio"/> Other	
Are all events implemented as described in the project description and the FAQ?	
Death: <input checked="" type="radio"/> Yes <input type="radio"/> With faults <input type="radio"/> Not implemented	
Reproduction: <input checked="" type="radio"/> Yes <input type="radio"/> With faults <input type="radio"/> Not implemented	
Move: <input checked="" type="radio"/> Yes <input type="radio"/> With faults <input type="radio"/> Not implemented	
Are observations implemented as events? <input checked="" type="radio"/> Yes <input type="radio"/> No All 20 at once in the PEC? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Data structure of the individuals: <u>PriorityQueue</u> From java.util? <input type="radio"/> No <input checked="" type="radio"/> Yes	
Is it ordered? <input type="radio"/> No <input type="radio"/> Yes, with a: <input type="radio"/> Comparable <input checked="" type="radio"/> Comparator <input type="radio"/> Other	
Data structure for the grid: <u>Array</u> From java.util? <input type="radio"/> No <input checked="" type="radio"/> Yes	
Are epidemics implemented as described in the project description? <input checked="" type="radio"/> Yes <input type="radio"/> With faults <input type="radio"/> No	
Are the best 5 individuals stored in memory? <input checked="" type="radio"/> Yes <input type="radio"/> No, they are calculated only when needed <input type="radio"/> Other	
To decide which individuals survive epidemics, is a random number generated per each? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Are nonsurvivors cleaned from memory? <input checked="" type="radio"/> Yes <input type="radio"/> No (why): _____	
Is the best path always found when you run the xml five provided in the Project webpage? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Global evaluation:			
What was the degree of participation of each element in the group? (% should sum 100%)?			
Num <u>79089</u>	: <u>30</u> %	Num <u>83976</u>	: <u>40</u> % Num <u>81148</u> : <u>30</u> % Num _____ : _____%

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

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

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

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

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

Java version used: 10 and 8

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

The following table is to be filled by the professor:

Report	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"/>