

Object Oriented Programming – 2017/2018 – 2nd Semester

Self-evaluation form

Group: <u>14</u>	Oral discussion date: _____	Penalization (days): <u>1</u>
Number: <u>77028</u>	Name: <u>Tiago Santos</u>	Expected mark: <u>15</u>
Number: <u>81570</u>	Name: <u>José Correia</u>	Expected mark: <u>15</u>
Number: <u>81585</u>	Name: <u>Pedro Soares</u>	Expected mark: <u>15</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>Microsoft Visio</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"/> ≥ 3 : <u>6</u>
How many interfaces does your application have? <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> ≥ 3 : _____
Is your application extensible to further developments? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partially
Does your application have at least one polymorphic invocation? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (methods?): <u>Method Action</u>
How many times the <code>instanceof</code> operator is used in your application (really count them)? _____
In which methods? _____
Which XML parser is used to parse the input file? <u>DOM</u>
Have external libraries been required? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (which ones?): <u>javax.xml.parsers.*, org.w3c.dom.*, org.xml.sax.*</u>
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 checked="" type="checkbox"/> Public <input checked="" type="checkbox"/> Private <input checked="" type="checkbox"/> Package <input 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 type="checkbox"/> Package <input type="checkbox"/> Protected
Concerning visibility of the classes, check visibilities that are used in the code: <input checked="" type="checkbox"/> Public <input type="checkbox"/> Package
Does your application contain any static field? <input checked="" type="checkbox"/> Yes (how many?): <u>3</u> <input type="checkbox"/> No
Does your application contain any static method? <input checked="" type="checkbox"/> Yes (how many?): _____ <input type="checkbox"/> No
Does your application contain any user defined exceptions? <input checked="" type="checkbox"/> Yes (how many?): <u>1</u> <input type="checkbox"/> No
Simulation problem:
Data structure of the events (PEC): <u>PriorityQueue</u> From <code>java.util</code> ? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Is it ordered? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, with a: <input type="checkbox"/> Comparable <input checked="" 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 type="checkbox"/> Yes <input checked="" 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>LinkedList</u> From <code>java.util</code> ? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Is it ordered? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, with a: <input type="checkbox"/> Comparable <input checked="" type="checkbox"/> Comparator <input type="checkbox"/> Other
Data structure for the grid: <u>Matrix of node objects</u> From <code>java.util</code> ? <input checked="" type="checkbox"/> No <input 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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No (why): <u>They might be needed to get the best path</u>
Is the best path always found when you run the xml five provided in the Project webpage? <input type="checkbox"/> Yes <input type="checkbox"/> No

Global evaluation:
What was the degree of participation of each element in the group? (% should sum 100%)? Num 77028 : 33 % Num 81570 : 33 % Num 81585 : 33 % 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="checkbox"/>	<input type="checkbox"/>
Was the javadoc tool used to build the documentation of the developed packages?	<input 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"/>

Project compilation	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"/>

Running	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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Java version used: 10

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"/>