

# Object Oriented Programming – 2018/2019 – 2nd Semester

## Self-evaluation form

Group: <u>1 1</u>	Oral discussion date: _____	Penalization (days): <u>    </u>
Number: <u>8 4 1 3 7</u>	Name: <u>Matilde Pereira Moreira</u>	Expected mark: <u>1 9</u>
Number: <u>8 4 0 9 6</u>	Name: <u>João Pedro Costa Luís Cardoso</u>	Expected mark: <u>1 9</u>
Number: <u>7 9 6 5 6</u>	Name: <u>Carolina Coelho Martins de Almeida Cunha</u>	Expected mark: <u>1 7</u>
Number: <u>    </u>	Name: <u>    </u>	Expected mark: <u>    </u>

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>ObjectAid</u> <input checked="" type="checkbox"/> Good <input 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>4</u>	
How many interfaces does your application have? <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> ≥ 3: <u>4</u>	
Is your application extensible to further developments? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Partialy	
Does your application have at least one polymorphic invocation? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (methods?): <u>ExecutaEvent</u>	
How many times the instanceof operator is used in your application (really count them)? <u>2</u>	
In which methods? <u>public void simulacao();</u>	
Which XML parser is used to parse the input file? <u>Document Object Model (DOM)</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 checked="" 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 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 checked="" type="checkbox"/> Yes (how many?): <u>4</u> <input 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 checked="" type="checkbox"/> Yes (how many?): <u>1</u> <input type="checkbox"/> No	

<b>Simulation problem:</b>	
Data structure of the events (PEC): <u>PriorityQueue</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 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?	
Ant Move: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> With faults <input type="checkbox"/> Not implemented	
Edge evaporation: <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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Data structure of the colony: <u>List</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 of the graph: <u>Vertex Array with Adjacency List</u> From java.util? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
Is the best path stored in memory? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, it is calculated only when needed <input type="checkbox"/> Other	
Is the best path always found when you run the xml file 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>8 4 1 3 7</u> : <u>3 5</u> % Num <u>8 4 0 9 6</u> : <u>3 5</u> % Num <u>7 9 6 5 6</u> : <u>3 0</u> % Num <u>          </u> : <u>      </u> %

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 type="checkbox"/>	<input checked="" type="checkbox"/>
If the answer is no, are all these warnings unchecked warnings?	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Java version used: JavaSE-11

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"/>