

Object Oriented Programming – 2018/2019 – 2nd Semester

Self-evaluation form

Group: 30 Oral discussion date: _____ Penalization (days): _____
Number: 86298 Name: Francisco Silva Expected mark: 17
Number: 78756 Name: João Caldeira Expected mark: 17
Number: 75340 Name: Pedro Carvalho Expected mark: 17
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)? Visual Paradigm Good Fair Bad

Does your application use any external library, besides that provided within JDK?
 No Yes (which ones?): _____

How many packages does your application have? 1 2 ≥ 3: _____

How many interfaces does your application have? 1 2 ≥ 3: _____

Is your application extensible to further developments? Yes No Partially

Does your application have at least one polymorphic invocation?
 No Yes (methods?): simulateEvent, getTime

How many times the instanceof operator is used in your application (really count them)? 3

In which methods? addEvent in class Event

Which XML parser is used to parse the input file? SAXParser

Have external libraries been required? No Yes (which ones?): org.xml.sax, javax.xml.parsers

Do you provide a DTD? Yes No When parsing, is XML validated against it? Yes No

Concerning visibility of the fields, check visibilities that are used in the code:
 Public Private Package Protected

Concerning visibility of the methods, check visibilities that are used in the code:
 Public Private Package Protected

Concerning visibility of the classes, check visibilities that are used in the code: Public Package

Does your application contain any static field? Yes (how many?): _____ No

Does your application contain any static method? Yes (how many?): _____ No

Does your application contain any user defined exceptions? Yes (how many?): _____ No

Simulation problem:

Data structure of the events (PEC): _____ From `java.util`? No Yes
 Is it ordered? No Yes, with a: Comparable Comparator Other
 Are all events implemented as described in the project description and the FAQ?
 Ant Move: Yes With faults Not implemented
 Edge evaporation: Yes With faults Not implemented
 Are observations implemented as events? Yes No All 20 at once in the PEC? Yes No
 Data structure of the colony: Array From `java.util`? No Yes
 Is it ordered? No Yes, with a: Comparable Comparator Other
 Data structure of the graph: ArrayList From `java.util`? No Yes
 Is the best path stored in memory? Yes No, it is calculated only when needed Other
 Is the best path always found when you run the xml file provided in the Project webpage? Yes No

Global evaluation:

What was the degree of participation of each element in the group? (% should sum 100%)?

Num 86298 : 45 % Num 78756 : 45 % Num 75340 : 10 % 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 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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Development environment used? Linux Windows Unix Mac/OS

Java version used: 11.0.2

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"/>