Object Oriented Programming – 2017/2018 – 2nd Semester
Self-evaluation form

Group: 28   Oral discussion date: _____   Penalization (days): ____

Number: 81401   Name: João Russo   Expected mark: _____

Number: 81108   Name: Diogo Nunes   Expected mark: _____

Number: 81232   Name: Luís Almeida   Expected mark: _____

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   ⊠ Partialy   Does your application have at least one polymorphic invocation?   ☐ No   ⊠ Yes (methods?): simulation()   How many times the `instanceof` operator is used in your application (really count them)? 2   In which methods? In Equals overrides.
Which XML parser is used to parse the input file? SAX   Have external libraries been required? ⊠ No ☐ Yes (which ones?):_____   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?): 3   ☐ 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): Array List   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?   Death: ⊠ Yes   ☐ With faults   ☐ Not implemented   Reproduction: ⊠ Yes   ☐ With faults   ☐ Not implemented   Move: ⊠ 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 individuals: Array List   From `java.util`? ☐ No ⊠ Yes   Is it ordered? ⊠ No   ☐ Yes, with a: ☐ Comparable   ☐ Comparator   ☐ Other
Data structure for the grid: Array List   From `java.util`? ☐ No ⊠ Yes
Are epidemics implemented as described in the project description? ⊠ Yes   ☐ With faults   ☐ No   Are the best 5 individuals stored in memory? ☐ Yes ⊠ No, they are calculated only when needed ☐ Other   To decide which individuals survive epidemics, is a random number generated per each? ⊠ Yes   ☐ No   Are nonsurvivors cleaned from memory? ⊠ Yes ☐ No (why): _____
Is the best path always found when you run the xml five 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_81401_: 33 _% Num_81108_: 33 _% Num_81232_: 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?	☐	☒
Was the javadoc tool used to build the documentation of the developed packages?	☒	☐
Is it complete, with:		
- overview of packages?	☐	☒
- summary of classes, interfaces and exceptions?	☒	☐
- brief description of classes, interfaces and exceptions?	☒	☐
- summary of fields, constructors and methods?	☒	☐
- detail of fields, constructors and methods?	☐	☒

Project compilation	Yes	No
Does the project compile without errors?	☒	☐
Does the project compile without warnings?	☒	☐
If the answer is no, are all these warnings unchecked warnings?	☐	☐

Running	Yes	No	With faults
Is the jar file runnable from the shell?	☒	☐	☐
Does the project read correctly the parameters?	☒	☐	☐
Does the project run with the input given in the project webpage?	☒	☐	☐
Does the project generate any supplementary information (status, debug, etc)?	☐	☒	☐

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

Java version used: _8/10_____

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	☐	☐	☐
Goals of the work are very succinct but clearly stated	☐	☐	☐
Intelligibility of the document	☐	☐	☐
Structure of the document	☐	☐	☐
Clear/concise justification of main data structures used	☐	☐	☐
OO solution (extensibility, polymorphism, etc.)	☐	☐	☐
Critical evaluation of the application performance	☐	☐	☐
Description of functionalities beyond requested ones	☐	☐	☐
Conclusions	☐	☐	☐