

# Object Oriented Programming – 2019/2020 – 2nd Semester

## Self-evaluation form

Group: 23 Oral discussion date: \_\_\_\_\_ Penalization (days): 0

Number: 84349 Name: Tiago Cardoso Pires Expected mark: 19

Number: 84303 Name: Maria Inês Costa Frutuoso Expected mark: 19

Number: 86945 Name: André Isidro da Silva Expected mark: 19

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>Visual Paradigm</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 type="checkbox"/> Yes (which ones?): _____ <input checked="" type="checkbox"/> No	
How many packages does your application have? <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> $\geq 3$ : <u>6</u>	
How many interfaces does your application have? <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> $\geq 3$ : <u>7</u>	
Is your application extensible to further developments? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Partialy	
Does your application have at least one polymorphic invocation? <input checked="" type="checkbox"/> Yes (methods?): <u>Some toString methods, implementations and extensions</u> <input type="checkbox"/> No	
Which class is used to parse the train input file? <u>FileClass</u>	
This class is: <input type="checkbox"/> Never instaciated <input type="checkbox"/> Instaciated only once (singleton) <input checked="" type="checkbox"/> Regular class	
Is the train input file parsed twice? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Which class is used to parse the test input file? <u>FileClass</u>	
This class is: <input type="checkbox"/> Never instaciated <input type="checkbox"/> Instaciated only once (singleton) <input checked="" type="checkbox"/> Regular class	
Concerning visibility of the fields, check visibilities that are used in the code: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private <input 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 type="checkbox"/> Package <input checked="" 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 user defined exceptions? <input type="checkbox"/> Yes (how many?): _____ <input checked="" type="checkbox"/> No	
<b>Learning algorithm:</b>	
Are the counts computed only when needed from the data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If not, are counts stored in a data structure from the <code>java.util</code> package? <input type="checkbox"/> Yes: _____ <input type="checkbox"/> No: _____	
Are counts $N_{ijkc}$ computed twice, one time for the $\alpha_{ij'}$ and another for the $\theta_{ijkc}$ ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Are the local scores $\alpha_{ij'}$ stored in a data structure from the <code>java.util</code> package? <input type="checkbox"/> Yes: _____ <input checked="" type="checkbox"/> No: <u>They are stored in an array</u>	
Which algorithm was used to compute the maximum spanning tree? <input checked="" type="checkbox"/> Prim <input type="checkbox"/> Kruskal <input type="checkbox"/> Other	
The resulting network is always a tree-like network structure? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Is the tree network structure stored in a data structure from the <code>java.util</code> package? <input type="checkbox"/> Yes: _____ <input checked="" type="checkbox"/> No: <u>It is represented as an adjacency matrix</u>	
Are the network parameters computed only when needed from the counts? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Are the network parameters stored in a data structure from the <code>java.util</code> package? <input type="checkbox"/> Yes: _____ <input checked="" type="checkbox"/> No: <u>They are stored in an array</u>	
Are your results consistent with those in the Project webpage?:	
Bias dataset – LL score: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable – MDL score: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable	
Heart dataset – LL score: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable – MDL score: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable	

<b>Global evaluation:</b>
What was the degree of participation of each element in the group? (% should sum 100%)? Num <u>84349</u> : <u>33</u> % Num <u>84303</u> : <u>33</u> % Num <u>86945</u> : <u>33</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"/>
Documentation via javadoc tool exports only the public classes and their public members? If No explain here: <a href="#">Also exported package and protected.</a>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
If the answer is no, are all these warnings unchecked warnings?	<input 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 runs with the train-test sets given in the project webpage? (i.e., files are at any place in client's computer)	<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: 13.0.2

The following table is to be filled by the **professor**:

<b>Report</b>	Good	Fair	Bad
Cover identifies the course, students and group number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Introduction with goals of the work 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"/>
Brief justification of main data structures used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Innovative solution (extensibility/reuse of code, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Critical evaluation of the application	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Description of functionalities beyond requested ones (if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conclusions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>