ODSOFT 2022/2023 – Project – Part 1 Self-assessment   TEAM ID: G202

Instructions: Please mark put an X on the non-greyed column that better reflects your project's item achievement. Fill the gaps (_____) when appropriate.
Analysis Grading: 0 – No Submission; 1 – Attempt; 2 – Achieves Sufficiently 50%; 3 – Achieves partially, includes justification for main options; 4 – Achieves completely with justifications and alternatives.
Requirements Grading: 0 – No Submission; 1 – Attempt; 2 – Achieves Sufficiently; 3 – Achieves with Minor Faults; 4 – Achieves completely including advanced topics.

Description	Analysis					Implementation				
	0	1	2	3	4	0	1	2	3	4
Overall Team Grading										X
• Each task and goal have, at least, one issue in Bitbucket										X
• Bitbucket issues are closed and refer to the commit										X
• Issues have a clear explanation of the scope										X
• Commit messages are clear and well formed									X	
• All source code is committed										X
• Self-Assessment file is committed to the repository										X

Description	Analysis					Requirements				
	0	1	2	3	4	0	1	2	3	4
Goal 1: Pipeline Design & Goal 2: Team Pipeline Stages (1/5) – Overall Grading					X					X
• A sketch/design for the **sequential** build, considering how stage dependency, fail fast, etc. is explicitly stated				X						
• A sketch/design for the **parallel** build, considering how stage dependency, fail fast, etc. is explicitly stated				X						
• All pipelines must be able to run on any of the student's machines										X
• The base pipeline implementation has the following goals configured and described										
• **Repository Checkout** - checkout the GIT repository										X
• **Deployment file** – deployment file (e.g. .jar) is built and published on Jenkins										X
• **Javadoc** - the Javadoc is generated and published on Jenkins										X
• The pipeline works both on Windows and Linux operating systems					X					X
• Jenkins's Job configuration files are committed to the repository, as well as the scripted pipeline									X	
• Each Gradle task is executed only once in the pipeline					X					X

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Description	Analysis					Requirements				
	0	1	2	3	4	0	1	2	3	4
Goal 2.a) Integration Tests (2/5) – Overall Grading Student #1220285 Name: <u>Tiago Lacerda</u>				X						X
• Integration Tests are executed and described				X						X
• Integration Tests HTML Report is generated										X
• Integration Tests HTML Report is published on Jenkins				X						X
• Integration Tests HTML Coverage Report is generated										X
• Integration Tests HTML Coverage Report is published on Jenkins										X
• The pipeline works both on Windows and Linux operating systems				X						X

Description	Analysis					Requirements				
	0	1	2	3	4	0	1	2	3	4
Goal 2.b) Unit Tests (3/5) – Overall Grading Student #1220256 Name: <u>João Rocha</u>					X					X
• Unit Tests are executed and described					X					X
• Unit Tests HTML Report is generated										X
• Unit Tests HTML Report is published on Jenkins					X					X
• Unit Tests HTML Coverage Report is generated and published on Jenkins										X
• Unit Tests HTML Coverage Report is published on Jenkins										X
• The pipeline works both on Windows and Linux operating systems					X					X

Description	Analysis					Requirements				
	0	1	2	3	4	0	1	2	3	4
Goal 2.c) Mutation Tests (4/5) – Overall Grading Student #1220271 Name: <u>Nuno Leite</u>					X					X
• Mutation Tests are executed and described					X					X
• Mutation Tests HTML Report is generated										X
• Mutation Tests HTML Report is published on Jenkins					X					X
• The pipeline works both on Windows and Linux operating systems					X					X

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Requirements Grading: 0 – No Submission; 1 – Attempt; 2 – Achieves Sufficiently; 3 – Achieves with Minor Faults; 4 – Achieves completely including advanced topics.

Description	Analysis					Requirements				
	0	1	2	3	4	0	1	2	3	4
Goal 2.d) Pipeline Stages (5/5) - Overall Grading Student #1220257 Name: <u>Gonçalo Pinho</u>					X					X
• **Staging Deployment**										
o The application (e.g. .jar file) is deployed to a pre-configured staging Server running offsite (e.g., Tomcat Server instance)					X					X
• **System Test**										
o An automatic smoke test (curl) is performed after staging deployment					X					X
• **UI Acceptance Manual Tests**										
o An email notification is sent, regarding the successful execution of all the previous tests and asking to perform a manual test				X					X	
o An UI Acceptance Manual Test is executed to cancel or proceed with the pipeline										X
o The email includes: 1) the link to the running application that is going to be manually tested and 2) the link to the pipeline where confirmation/cancellation action is to be performed										X
o The pipeline must wait for a user manual confirmation on Jenkins										X
• **Continuous Integration Feedback** - a tag on the repository with the Jenkins build number and status is pushed										X
• The pipeline works both on Windows and Linux operating systems										X

Description	Analysis					Requirements				
	0	1	2	3	4	0	1	2	3	4
Project Documentation – Overall Grading				X					X	
• Evidence of continuous building of the pipeline (build history with increasing stages)										X
• The Readme.md is clear and structured									X	
• Specifies the technical details of the implementation									X	
• An evaluation report on the performance of the PA tasks, comparing execution times for each stage and pipeline overall				X						
Teamwork Effort										
o Student #1220256; Accomplishment %23; (The sum of all percentages should equal 100%)										
o Student #1220257; Accomplishment %31; (The sum of all percentages should equal 100%)										
o Student #1220271; Accomplishment %23 ; (The sum of all percentages should equal 100%)										
o Student #1220285; Accomplishment %23 ; (The sum of all percentages should equal 100%)										