D03 – Functional testing

Identification data

__2__ __3__   https://github.com/laur2000/Acme-WorkPlans_____
Group   Level   GitHub repository

___Sevilla, 09/09/2021_____
Place, date

_____
Student #5: Full name, roles, and signature

_____George Laurentiu Bogdan (Manager, De-veloper, Tester)_____
Student #1: Full name, roles, and signature

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Student #2: Full name, roles, and signature

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Student #3: Full name, roles, and signature

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Student #4: Full name, roles, and signature

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Student #6: Full name, roles, and signature

Responsibility statements

[X] I am an author of this deliverable. I have not cheated in any way.

[X] I understand that my deliverable will be considered failed if I don't follow the guidelines and the pieces of advice that have been taught in this subject.

[X] I understand that my deliverable will be considered failed with no retake option if it meets any of the failure conditions that have been taught in this subject.

[X] I have collaborated with my partners on producing this deliverable; in other words, neither have I ridden their coattails nor gobbled them up.

[X] I have learnt from working on this deliverable, so that I can pass my control check.

[X] I understand that I must have a contingency plan and that submitting my deliverable very close to the deadline is likely to result in disaster.

[X] I have taken into account the guidelines provided in the lectures and document "On your deliver-ables.pdf", which are available at the USE's e-learning platform.

Deliverable and requirements

Item 1: reports

- Workgroup report: produce a report in which you introduce your workgroup members, in-cluding their full names, recent picture, corporate email, roles played, and a global assessment of their performance.
- Work plan report: produce a report in which you list the tasks performed to produce this de-liverable. For each task, you must provide a title, a short description, worker name(s), start and end dates, and total number of hours spent. Note that it must report on actual tasks and times, not estimations.
- Budget report: produce a report with your budget, which must take the amortisation of your software/computers and the personnel costs into account. To compute the amortisation, as-sume that it is linearly distributed along three years. To compute the personnel costs, assume that a manager's or an analyst's work hour costs approximately €25.00 and the other roles' work hour costs approximately €15.00. Note that the report must take all of the tasks into account and that it must report on actual costs, not estimations.
- Progress report: produce a report in which you describe how the work in your workgroup has gone on. Please, do not write on your subjective impressions; make a point of writing a con-cise and objective progress report.
- Cloud services report: produce a file in which you provide a link to your GitHub repository and a link to your Clever Cloud application. Provide your credentials if you created an account for your deliverable; otherwise, wait for instructions. Do not share your personal credentials.
- Data model report: produce a report with a model for the data managed in project Acme Work-Plans at the desired level. Please, make sure that the model includes all of the con-straints in the requirements and the ones that result from analysing it.
- Features model report: produce a report with the features models of project Acme Work-Plans at the desired level. Please, make sure that the model includes all of the features, ac-tions, and constraints in the requirements, and the ones that result from analysing it.
- Lint report: produce a report in which you explain the bad smells found by Sonar Lint and why they are not problematic. Note that, ideally, this report must be empty because Sonar Lint should not be able to find any bad smells in your code. In the cases in which Sonar Lint finds a bad smell, you must analyse it; it may be the case that Sonar Lint is right, which means that you have to correct the problem; in the exceptional case in which Sonar Lint is not right, you must clearly justify the reason why.

Item 2: project

- Produce a project that implements the requirements in the Acme Work-Plans project at the desired level. The project must include a "CONTRIBUTORS.txt" file with the names and cor-porate e-mail accounts of your workgroup members, a "README.txt" file that describes it and provides a link to your GitHub repository and your GitHub release, and an empty "CHANGELOG.txt" file.
- Produce a test suite to perform formal functional testing on your project. Your test suite must fulfil the following requirements so that it can be accepted for evaluation:
    - o The instruction coverage reported by the Coverage Runner plugin must be at least 60% in every feature. If that coverage is not possible, then you must clearly justify the reason why.

- Every feature must have at least a positive test case per action, which must be fed with data that are as assorted as possible. Special attention will be paid to checking that those data where generated using the pieces of advice in our methodology.
- Every feature must have at least a negative test case per action, which must be fed with data that are as assorted as possible. Special attention will be paid to checking that those data where generated using the pieces of advice in our methodology. If it's not possible to devise a sensible negative test case, then you must clearly justify the reason why.