Assignment - Elicitation

Assignment Goal

Define a **plan** for acquiring knowledge about a software product that must be developed. This product can be a completely new application or system, or an extension of an existing system. The students are allowed to choose any kind of product for this exercise: a project developed for another course, a project developed outside the context of the university, or even a project that might be only *in principle* be developed in the future (since the purpose of this assignment is to work on the elicitation, it is not necessary that the product will be really developed). <u>In all the cases, choose a project with stakeholders that can be reached</u> (particularly relevant for groups of size larger than 2, see below).
The plan must be described according to the following template:

Project: *<a brief description of both the application domain and the selected project>*
Stakeholders: *<list of the stakeholders, explaining why each one is relevant (e.g., considering their level of power and interest on the system)>*
Workflow: *<a structured description about the sequence of the activities chosen for the plan, as they are intended to be performed – an accompanying graphic visualization is encouraged (e.g., an activity diagram)>*
<u>**For each** activity in the workflow:</u>
    Requirements: *<the <u>class of requirements</u> that might be discovered with that activity. Note that you can reasonably predict the class of requirements (e.g., "requirements about how to complete the payment procedure") and not the actual requirements (e.g., "The users will need to pay by credit cards on")>*
    Description: *<a short description of the activity>*
    Stakeholder(s): *<the list of stakeholders involved in the activity, if any>*
    Reason: *<the explanation of why that activity and stakeholders have been chosen to discover that <u>class of requirements</u> at that given point of the workflow>*
The detailed implementation of one activity of the plan (either interview, questionnaire, or scenarios):
    Structure: *<questions arranged in sections for the interview and the questionnaire>* or *<a set of scenarios to be validated >*
    Requirements: *<the <u>class of requirements</u> expected for each section in the interview/questionnaire or for each scenario>*
    Stakeholder(s): *<explain how stakeholders can be reached>*
    Additional notes: *<any insight relevant to understand your choices (e.g., questions order and scale, why a certain negative scenario has been considered)>*
Results for the designed activity: [this item can be skipped for groups of 1/2 students]
    Raw Data Collection: *<the feedback provided by the involved stakeholders, in the form of answers to each question in the interview, responses collected with the questionnaire, or observations from each scenario >*
    Data Analysis: *<An analysis of the collected data>*
    Requirements: *<a list of <u>actual requirements</u> derived from the activity>*

Notice that:
(i)   The plan must not necessarily include every possible elicitation strategy
(ii)   The same elicitation strategy may occur multiple times
(iii)   The same stakeholder may occur more than once in the plan
(iv)   The plan **must include** at least **an interview, a questionnaire, or scenarios**.
(v)   For some applications, students could be among the stakeholders. If questionnaire/ interview/scenarios is submitted to students, it cannot be submitted to those of the group that performs the elicitation activity

Instructions & Submissions

Use of Git
- Create a GitLab project named "2023_assignment2_<your_project_name>"
- Add user sw_dev_process_course to the GitLab project and assign "developer" privileges
- Make individual commits

Submit a PDF document following the proposed template, indicating the team members and the link to the repo.

The maximum size of the team is 4 members.

The assignment can be produced either in English or Italian.

Assignments will be checked for plagiarism against resources available on the Internet and assignments produced by other students (both from past years and this year). Students submitting material that is not the result of their original work will not pass the exam. Appropriate actions will also be taken by the teachers.