Participant's background knowledge

In the context of our research on context-oriented programming, we have developed a feature-based context-oriented software approach to help the software designers and programmers conceive and prototype feature-based context-oriented systems.

Throughout this semester you will be asked to play the role of potential designers and programmers using our approach to develop feature-based context-oriented systems. Through surveys such as these and oral interviews with you, we will evaluate the strengths and weaknesses of our approach.

We would like to stress the fact that all work performed in the context of this scientific study will be completely anonymous, in other words we will not know the exact names of who responded what to the different surveys. Because of this we ask you to be as complete and precise as possible when responding to open questions, since we won't be able to contact you for clarifying your responses. This scientific study is part of our ongoing research and will not be taken into account for your course grade. Each question will be asked in English but feel free to respond in French or English according to the language you feel most comfortable with to provide precise answers.

In this first survey, we will ask you some information to better define the subjects participating in our experiment. For some questions, we already made some assumptions about your profile. If these assumptions are correct, please skip the question. Otherwise select the answer that fits best to your particular profile.
For this survey, all participants have to answer it.

This form must be filled by 23th September 2020, at 6 pm.
*Obligatoire

1. What is your age ?

We made the assumption that most of you are between 20 and 25 years old. If this assumption is right, please skip this question and continue the survey. Otherwise please give us your age range.

Une seule réponse possible.

- ⬭ < 20 years old
- ⬭ 26-30 years old
- ⬭ 31-35 years old
- ⬭ 36-40 years old
- ⬭ 41-45 years old
- ⬭ 46-50 years old
- ⬭ > 50 years old

2. **What is your knowledge in software design and analysis ?**

We made the assumption that you have already some experience in designing or modelling object-oriented applications (for example, using UML class or sequence diagrams or other modelling notations). If this assumption is correct, please skip this question and continue the survey. Otherwise please describe us what knowledge in designing and analysising object-oriented system you have, if any. (E.g. "I already designed applications following the UML 2.0 standard, but only from a high-level point of view without ever making any class diagrams or sequence diagrams", or "I never had a course where I was taught to create UML-like models".)

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3. **What is your level of expertise in design and modelling of object-oriented applications? ***

Une seule réponse possible.

	1	2	3	4	5	
No expertise	◯	◯	◯	◯	◯	Expert

4. **What is your knowledge in software implementation?**

We make the assumption that you are capable of implementing at least some medium-sized object-oriented applications using a programming language such as for example Java, Python, Ruby, or C++. If this assumption is right, please skip this question and continue the survey. Otherwise please indicate below your experience in software implementation, if any.

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5. What is your level of expertise in object-oriented programming (regardless of your preferred OO language: Java, Python, Ruby, C++,Smalltalk...)? *

   Une seule réponse possible.

	1	2	3	4	5	
No expertise	◯	◯	◯	◯	◯	Expert

6. Have you ever heard about the context-oriented programming paradigm? *

   Une seule réponse possible.

   ◯ Yes

   ◯ No

   ◯ Autre : _____

7. If you already have heard of the context-oriented programming paradigm before, can you explain in a few sentences this paradigm?

   _____

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8. If you already have heard of the context-oriented programming paradigm before, can you explain when and where you heard about it?

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Google Forms