

# First survey on Context-Oriented Programming

In the context of our research on context-oriented programming, we have developed a feature-based context-oriented software development approach to help 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 this 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. From now on you have to answer the different surveys by group (except when we ask explicitly that your answers should be individual). Your group is the same as your Moodle group. For this reason, we ask you to choose a unique identifier for your group and to reuse it for the entire semester. This allows us to link the different responses of your group and how you learned throughout the study, while still respecting your anonymity.

Now that you have received your first course on context-oriented programming in which we also introduced our feature-based context-oriented programming paradigm, we will ask you a few questions about some key notions in this programming paradigm. Discuss with your teammate to find an appropriate definition of the concepts based on your current comprehension of the concepts.

This form must be filled out by 29th September 2020, at 8 pm.

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**\*Obligatoire**

Anonymous identifier

1. Provide us your anonymous identifier \*

As a reminder, we ask you to choose only one anonymous identifier for your group (e.g. a comic character) at the beginning of the experiment. Please remember it and reuse it for the other surveys later in this course. Without that, we cannot link together your responses in different surveys and this will not be able to conclude any constructive results for our current research. So it is really important to keep your anonymous identifier during the entire semester!

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Key notions of our programming paradigm

2. Can you explain briefly, in your own words, what is a context-oriented system? \*

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3. Can you briefly explain, in your own words, what is a context? Give an example. \*

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4. Can you briefly explain what is a feature? Give an example. \*

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5. Can you explain briefly the difference between the context-oriented programming paradigm and the feature-based context-oriented programming paradigm? \*

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