

## Critical Component Elicitation Form

This form supports the elicitation of critical software components in the component-based software product line (SPL) proposed by the participant. Our goal is identifying two subsets of software components: the critical and non-critical ones.

1. Full name: \_\_\_\_\_

2. For you, what does 'software component' mean?

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3. For you, what does a 'critical software component' mean?

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The following questions regard the SPL that you have implemented.

4. Based on your definitions of 'software component' and 'critical software component', what components of the SPL are critical. In addition, provide a ranking of the critical components (from the most critical to the less critical ones), in your opinion. Justify each choice.

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5. Which artifacts you have used to identify the critical components?

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|---|--|
| <input type="checkbox"/> Source code        | <input type="checkbox"/> Mind map      |
| <input type="checkbox"/> Directory explorer | <input type="checkbox"/> Feature model |
| <input type="checkbox"/> Package diagram    | <input type="checkbox"/> Other         |

The following questions regard the SPL that you have implemented.

6. [Alternative] Consider a package as a software component. For each package listed below, select the critical ones, based on your definition of 'critical software component' and justify the choice for each critical component.' Note: To support

answering this questions, we provide two different vision for the package hierarchy in the bottom corner of the form.

(a) Package P1, File F1

(b) Package P1, File F2

(c) Package P2, File F1