

Instructions:

Use this template to create your own SysML Activity Diagram and Requirements Table to show the visual flow as well as the formal requirements of a use case.

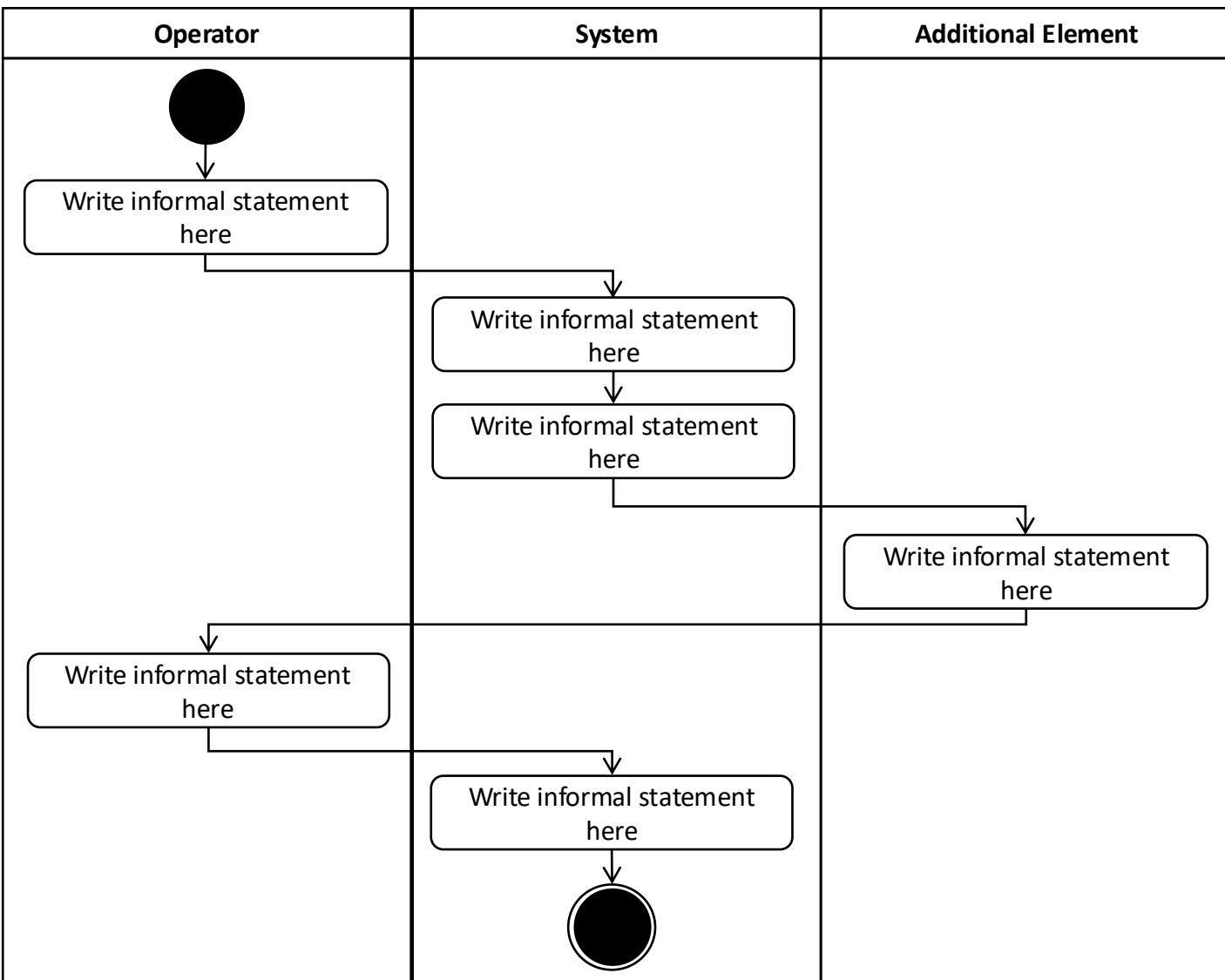
To help you navigate through this PowerPoint:

- Slide 2 – SysML Activity Diagram Template
- Slide 3 – SysML Activity Diagram Detailed Overview
- Slide 4 – SysML Requirement Table Template
- Slide 5 – SysML Requirement Table Detailed Overview
- Slide 6 – SysML Activity Diagram Example
- Slide 7 – SysML Requirement Table Example

To submit this assignment, please refer to the instructions in the course.

Use Case : Write Use Case Name Here

Precondition: Write starting condition here. Resize as needed



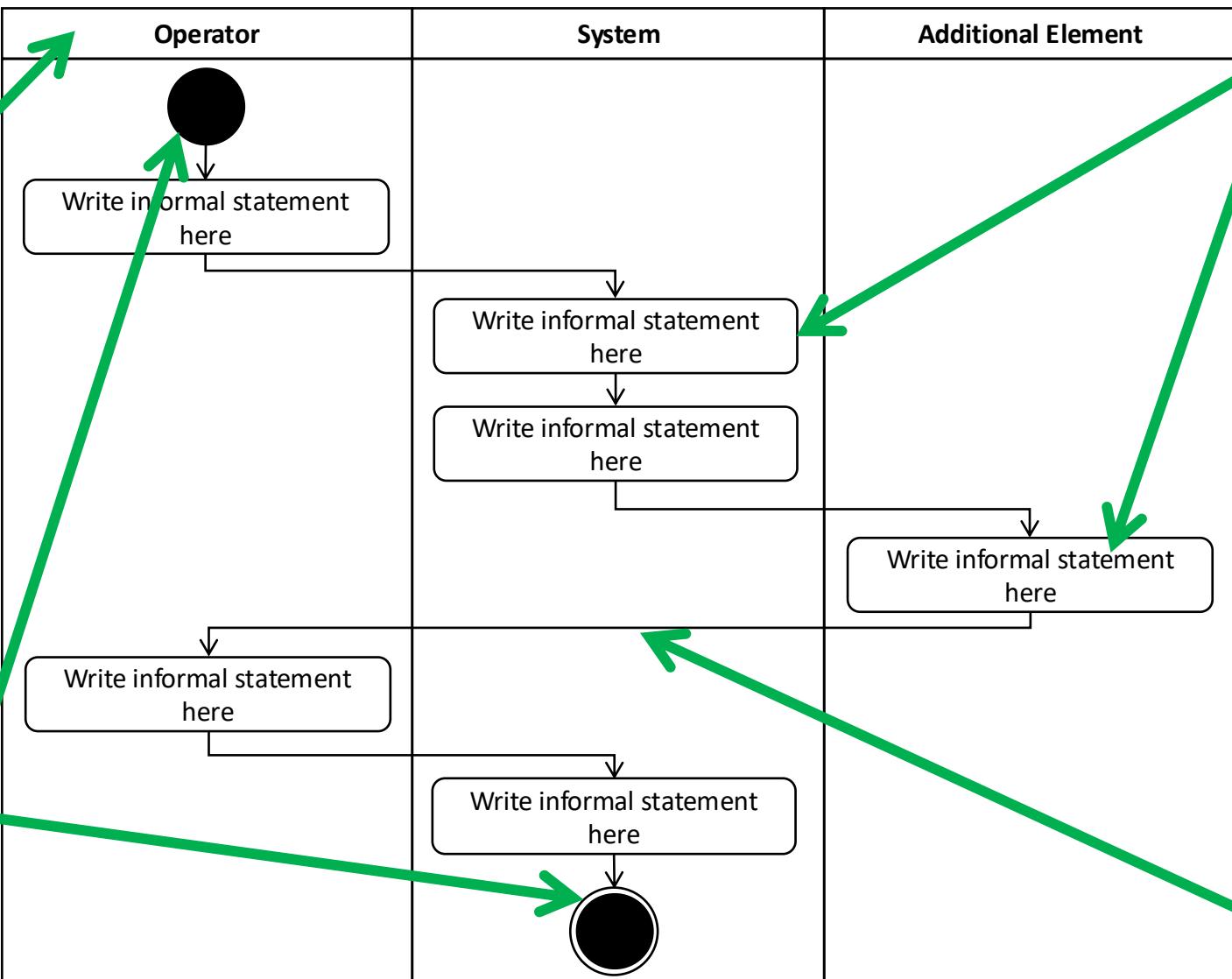
Post Condition: Write ending conditions here Resize as needed

Notes:

1. Write notes here. Add as many numbered bullet notes as needed. Resize as needed

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Post Condition: Write ending conditions here Resize as needed

Notes:

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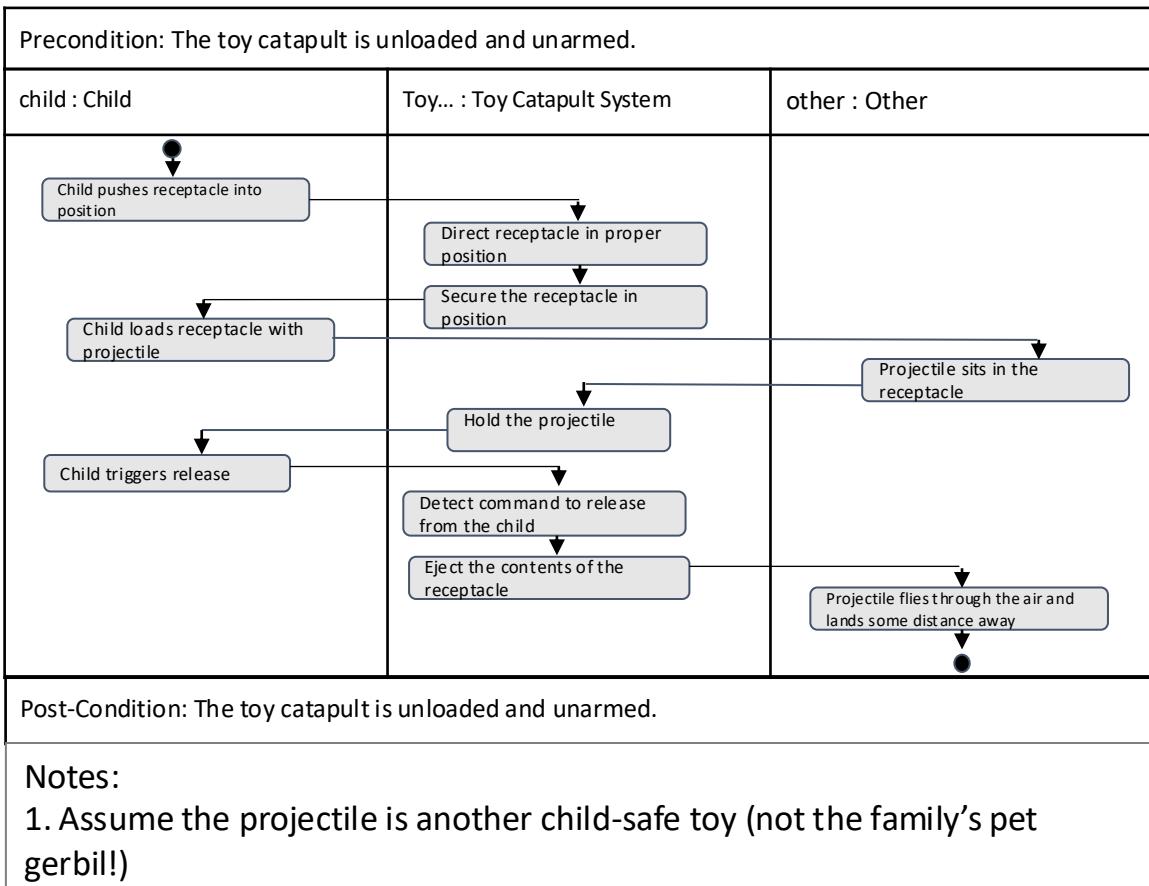
Requirements Table

<<requirement>> Write Abstract Name Here
Text: Write formal shall statement requirement here Id: Write requirement ID here in quotes, such as "OR.1"
<<requirement>> Write Abstract Name Here
Text: Write formal shall statement requirement here Id: Write requirement ID here in quotes, such as "OR.2"
<<requirement>> Write Abstract Name Here
Text: Write formal shall statement requirement here Id: Write requirement ID here in quotes, such as "OR.3"

Requirements Table

<<requirement>> Write Abstract Name Here
Text: Write formal shall statement requirement here Id: Write requirement ID here in quotes, such as "OR.1"
<<requirement>> Write Abstract Name Here
Text: Write formal shall statement requirement here Id: Write requirement ID here in quotes, such as "OR.2"
<<requirement>> Write Abstract Name Here
Text: Write formal shall statement requirement here Id: Write requirement ID here in quotes, such as "OR.3"

SysML Activity Diagram Sample



SysML Requirements Table Sample

Requirements Table

<<requirement>> Detect
Text: "The system shall detect receptacle is in proper position." Id: "OR.1"
<<requirement>> Arm
Text: "The system shall secure its receptacle in position." Id: "OR.2"
<<requirement>> Load
Text: "The system shall hold the projectile in its receptacle." Id: "OR.3"
<<requirement>> Trigger
Text: "The system shall detect the command to release from child." Id: "OR.4"
<<requirement>> Eject
Text: "The system shall eject the contents of its receptacle." Id: "OR.5"