



Open Standards for
Physical Asset Management

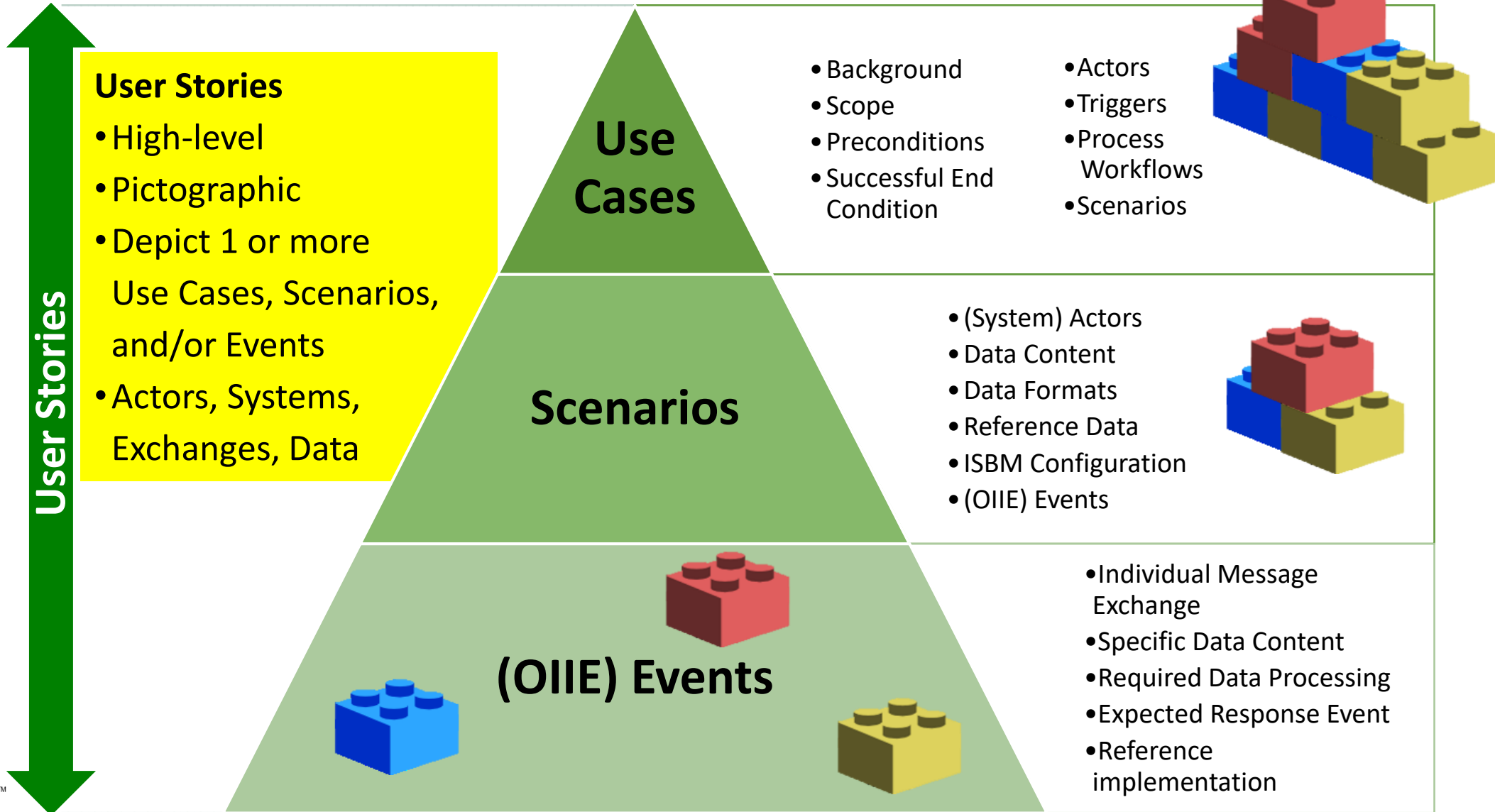
OIIE User Stories

Brief Overview

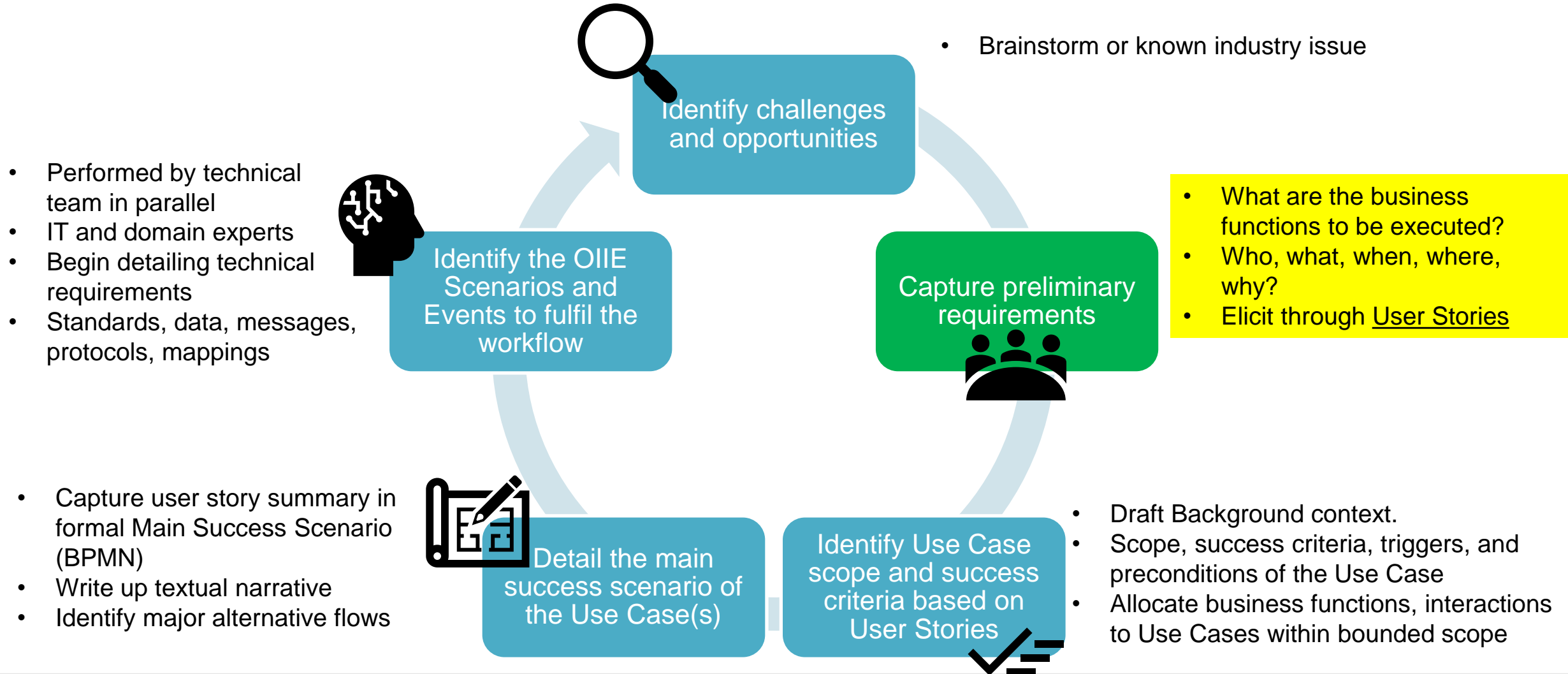
Karamjit Kaur, Matt Selway
University of South Australia

OIIE Standardized Use Case Architecture

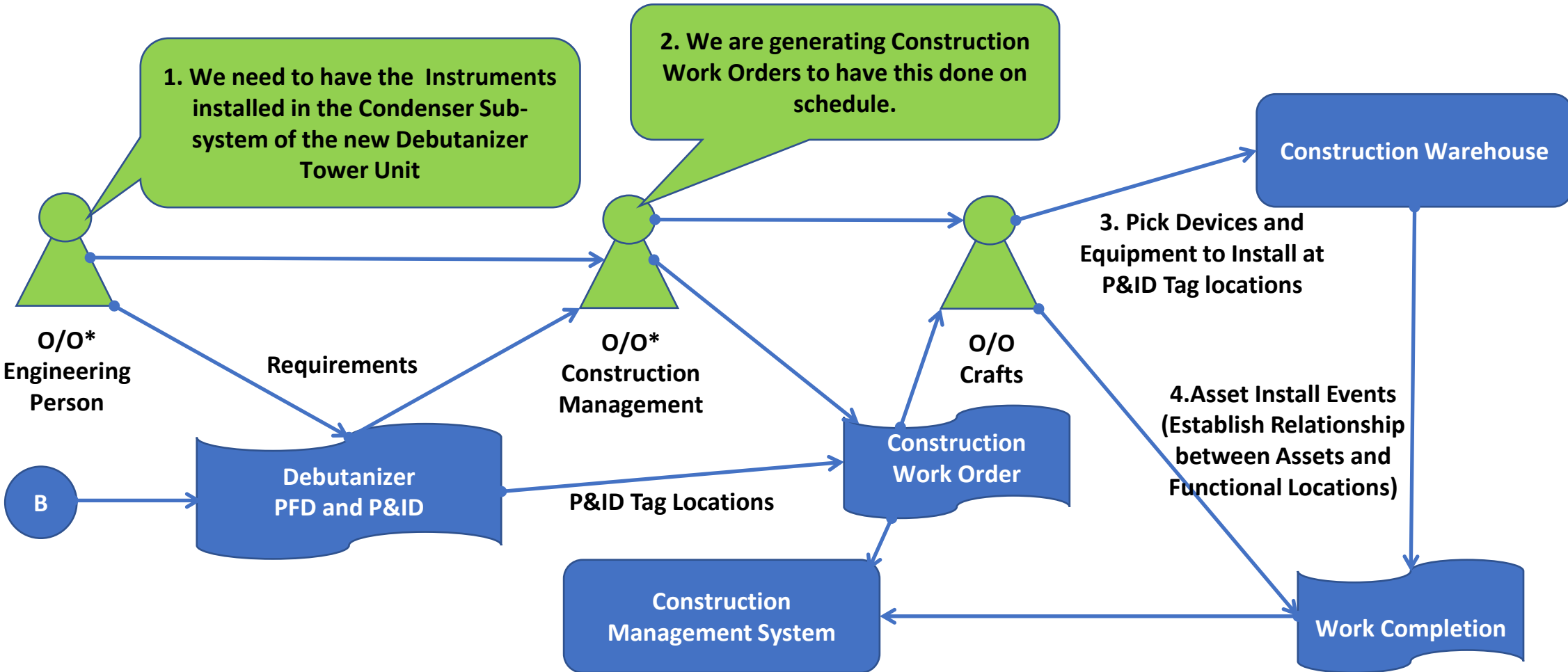
Standardized Methodology to Define and Re-use OIIE Components



OIIE Use Case Development Process



User Story Example: Capital Project Equipment/Device Installation



User Story Elicitation

We want to capture:



Who are the actors or beneficiaries?

User Story Elicitation

We want to capture:



What are the tasks or goals?

User Story Elicitation

We want to capture:



When do the tasks/goals (need to) occur?

User Story Elicitation

We want to capture:



Where do the tasks/goals (need to) take place?

User Story Elicitation

We want to capture:



Why is it important or beneficial?

User Story Statements

Help guide the identification of activities and requirements:

As an <actor>, I want/need <activity / task / goal>
so that <reason / benefit>
[when <event / triggering condition>].

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As an <actor>, I want/need <activity / task / goal>
so that <reason / benefit>
[when <event / triggering condition>].

- The “when” clause is optional
- The “activity” may include the “where” it (needs to) occur

User Story Statement Examples

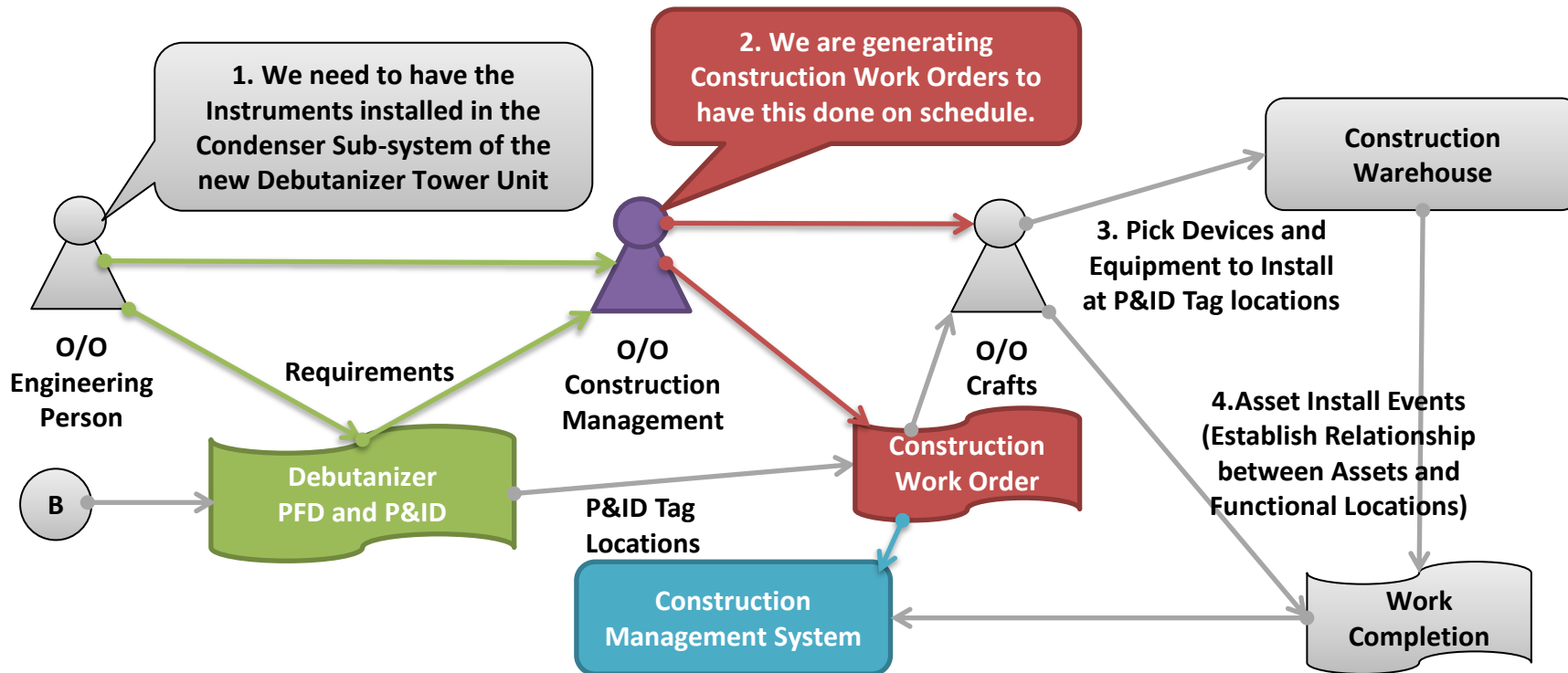
- As an O/O Construction Manager,
I need to generate Construction Work Orders to a schedule
so that equipment installation can be performed on time
when provided with necessary sub-system requirements.

User Story Statement Examples

- As an O/O Construction Manager, I need to generate Construction Work Orders to a schedule so that equipment installation can be performed on time when provided with necessary sub-system requirements.
- As a Construction Management System, I need to monitor & manage the progress of Construction Work Orders so that the status of equipment installations can be updated in the digital twin when provided with work completion updates by the installer.

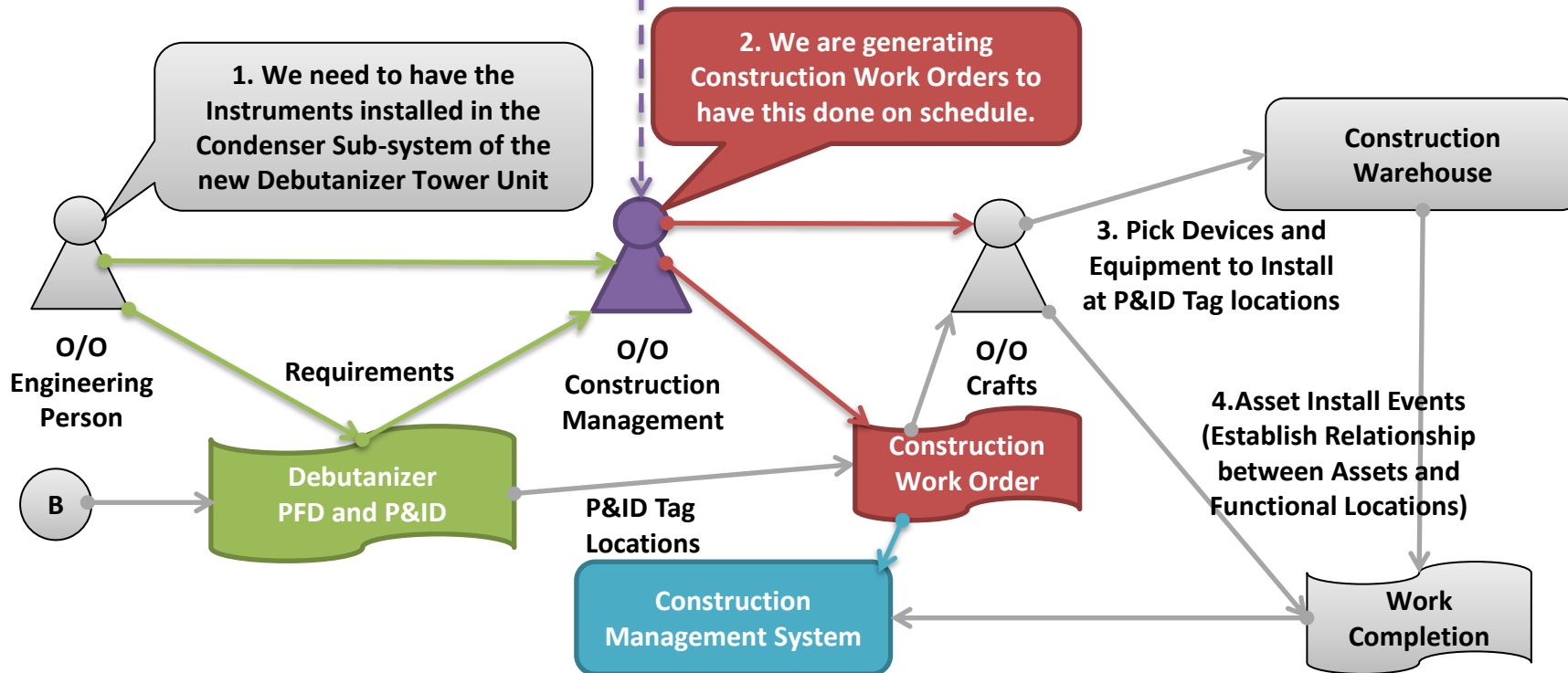
User Story Statement Mapping

As an **O/O Construction Manager**,
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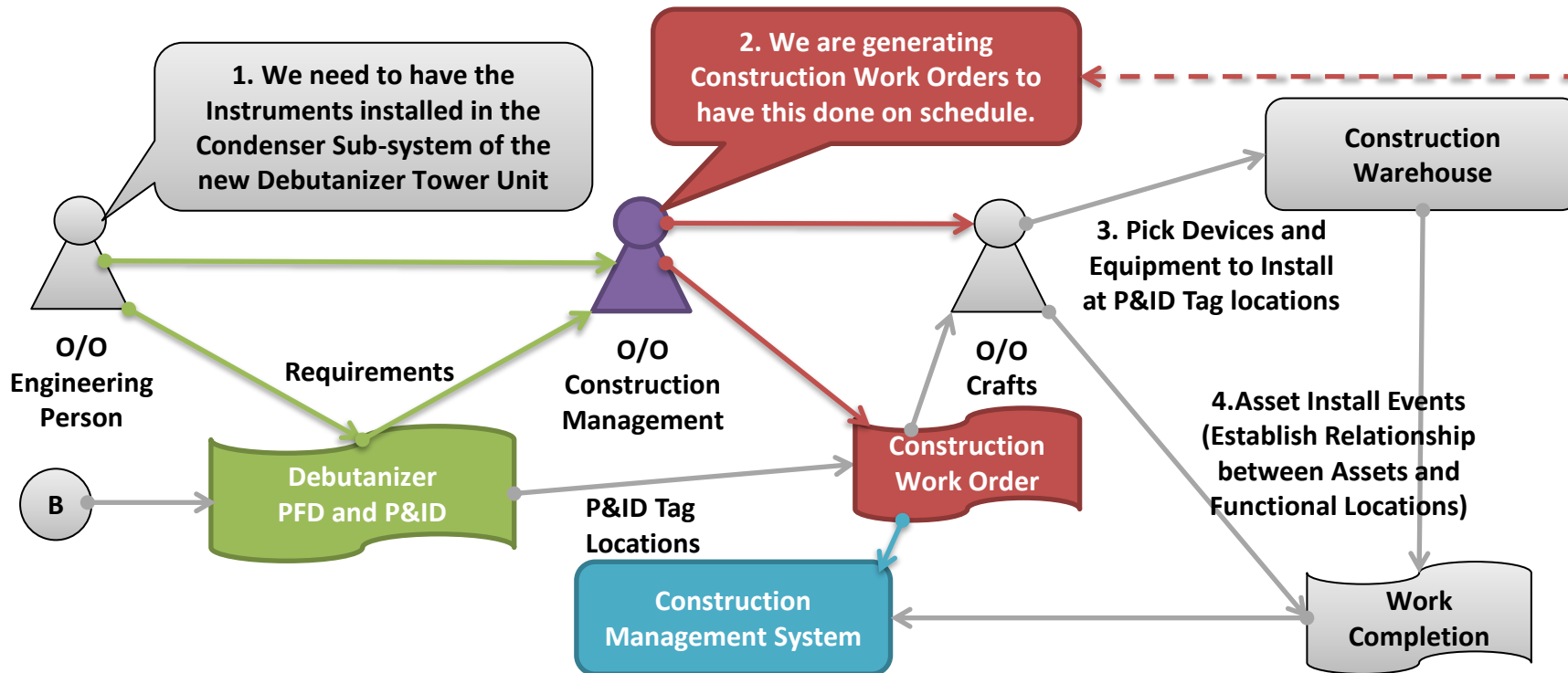
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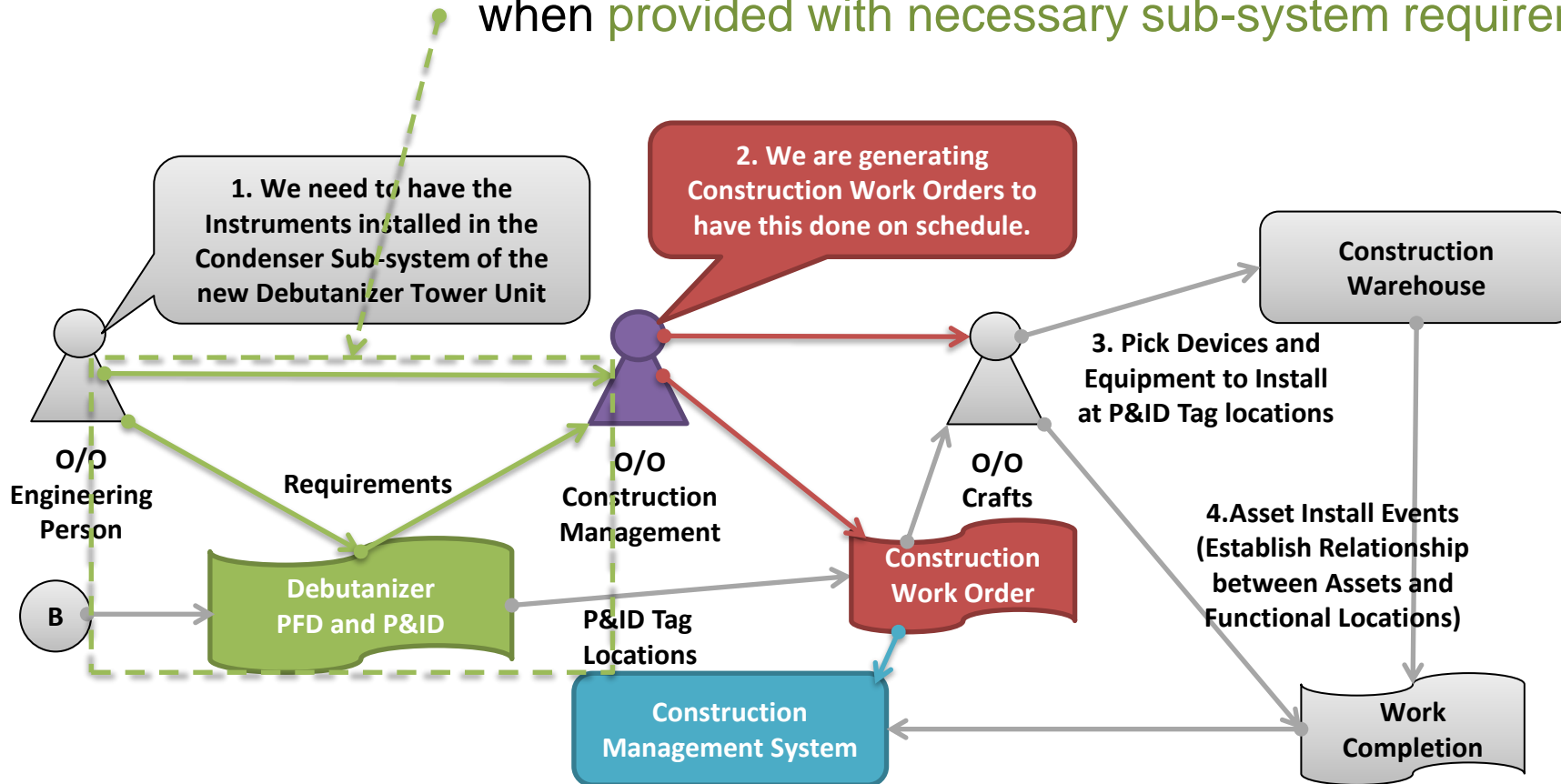
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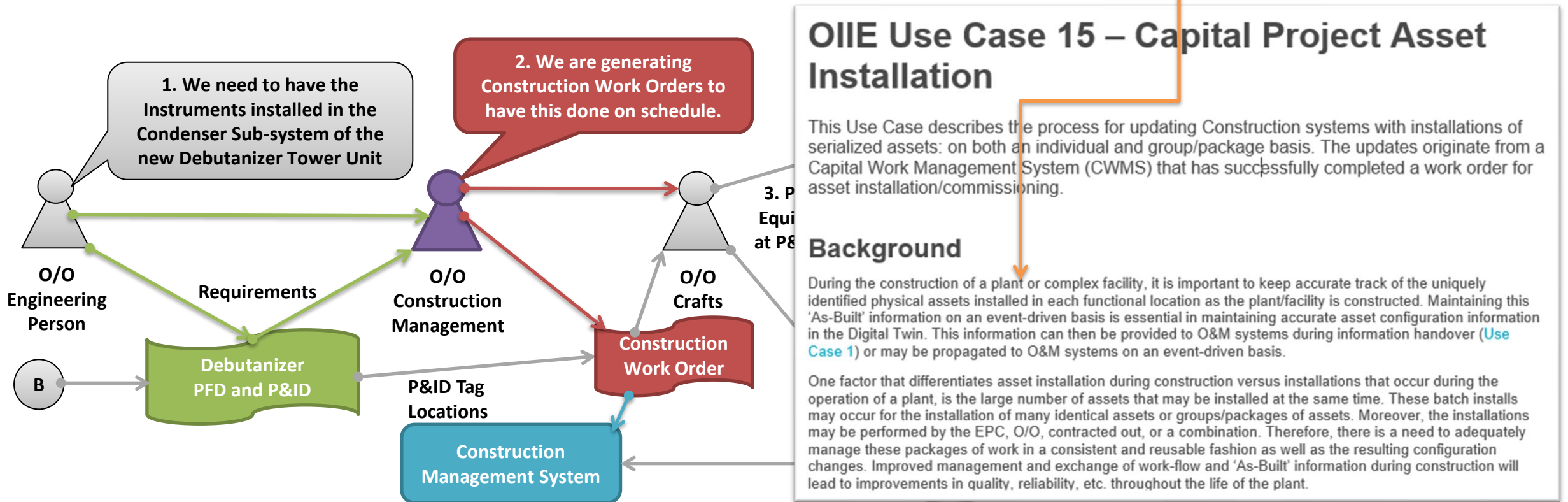
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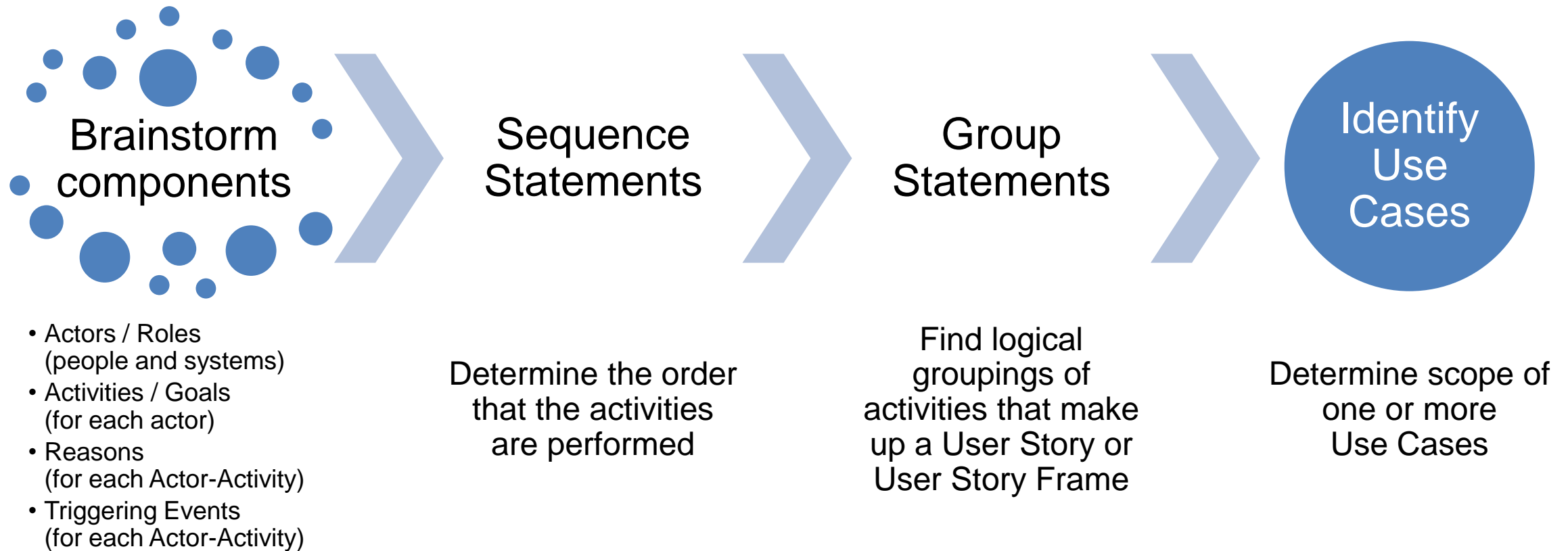


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User Story – Requirements Elicitation



Questions?



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