Workshop
Designing your Linked Data
October 16, 2016

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Me4MAP:

A method for the development of Metdata Aplication Profiles

Mariana Curado Malta [1, 2, 3] & Ana Alice Baptista[3]
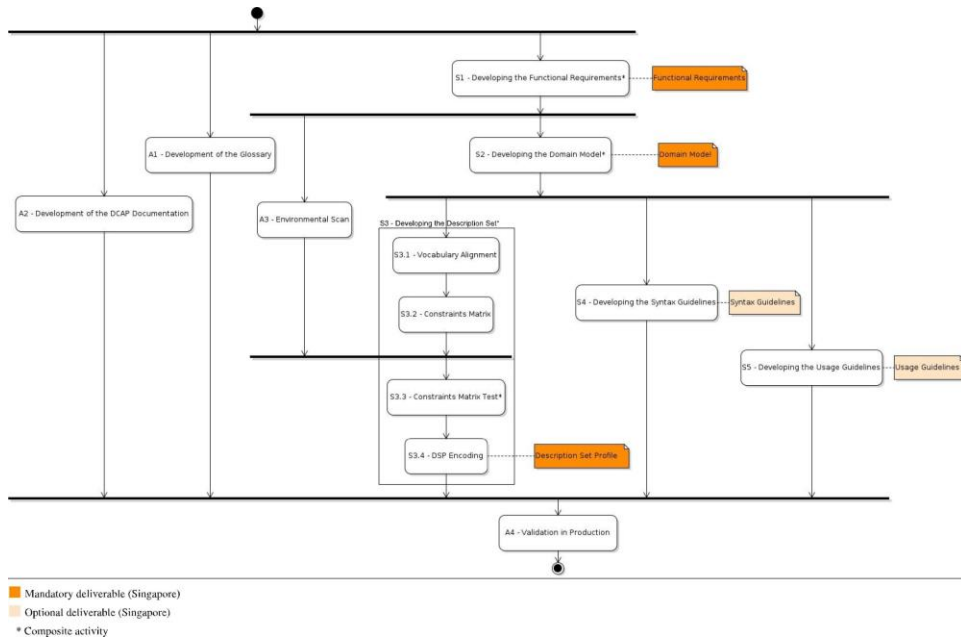
[1] ISCAP-IPP, Porto, Portugal
[2] LINHD-UNED, Madrid, Spain
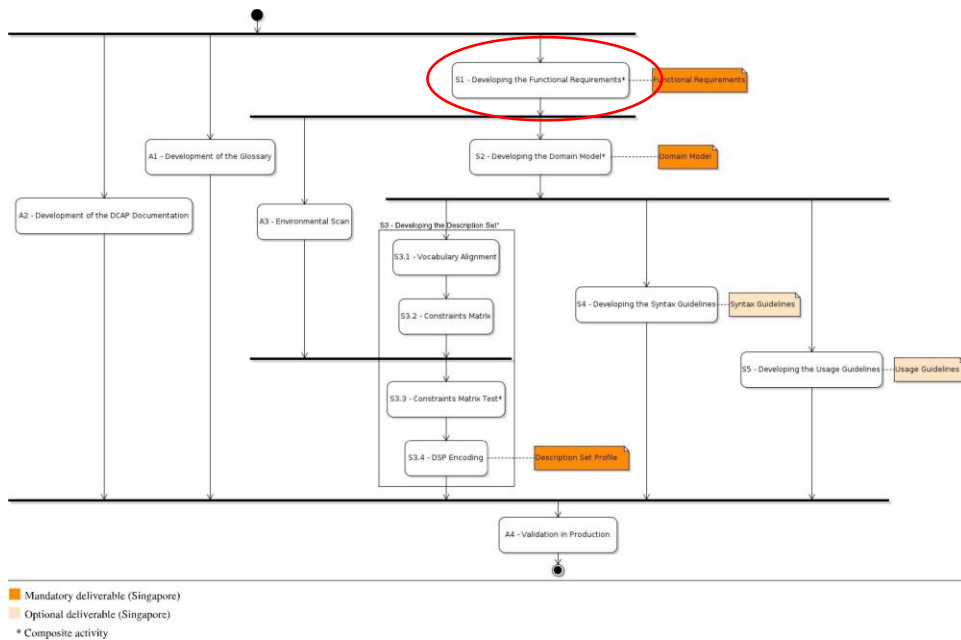[3] Centro Algoritmi, Universidade do Minho, Guimarães, Portugal

Me4MAP

- Deeply based in the document Singapore Framework for Dublin Core Aplication Profiles and in the Rational Unified Process (RUP) among others

- Defines activities, as actividades, a forma como estas se interligam, quem as deve desenvolver, por vezes diz ainda quais as técnicas a aplicar
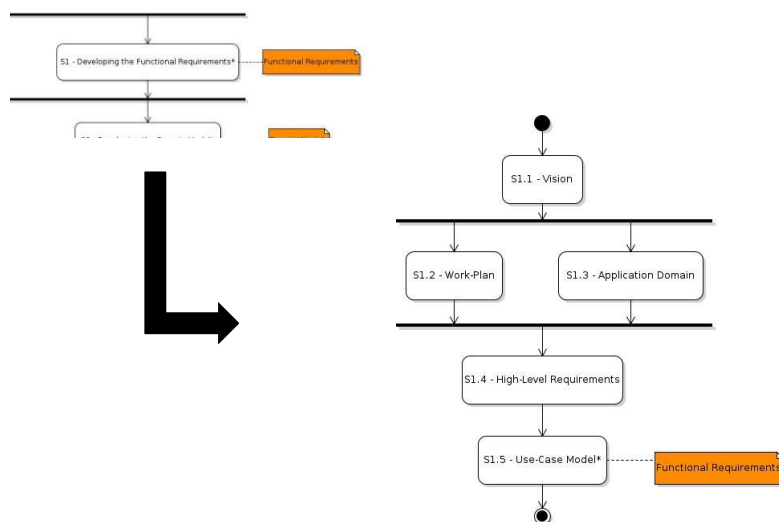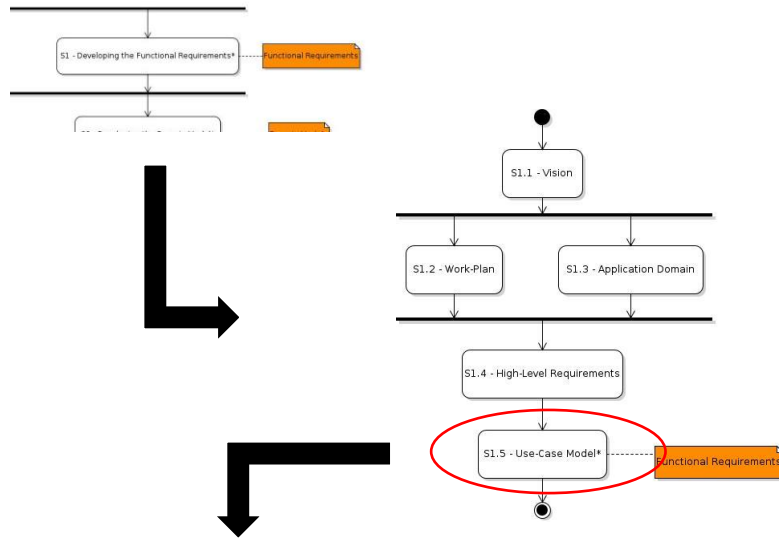
- Defines also the ideal work-team

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S1 - Developing the Functional Requirements* ------ Functional Requirements

A1 - Development of the Glossary

S2 - Developing the Domain Model* ------ Domain Model

A2 - Development of the DCAP Documentation

A3 - Environmental Scan

S3 - Developing the Description Set*

S3.1 - Vocabulary Alignment

S3.2 - Constraints Matrix

S4 - Developing the Syntax Guidelines ---- Syntax Guidelines

S5 - Developing the Usage Guidelines ---- Usage Guidelines

S3.3 - Constraints Matrix Test*

S3.4 - DSP Encoding ------- Description Set Profile

A4 - Validation in Production

■ Mandatory deliverable (Singapore)
  Optional deliverable (Singapore)
* Composite activity

4

Mandatory deliverable (Singapore)
Optional deliverable (Singapore)
* Composite activity

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Developing
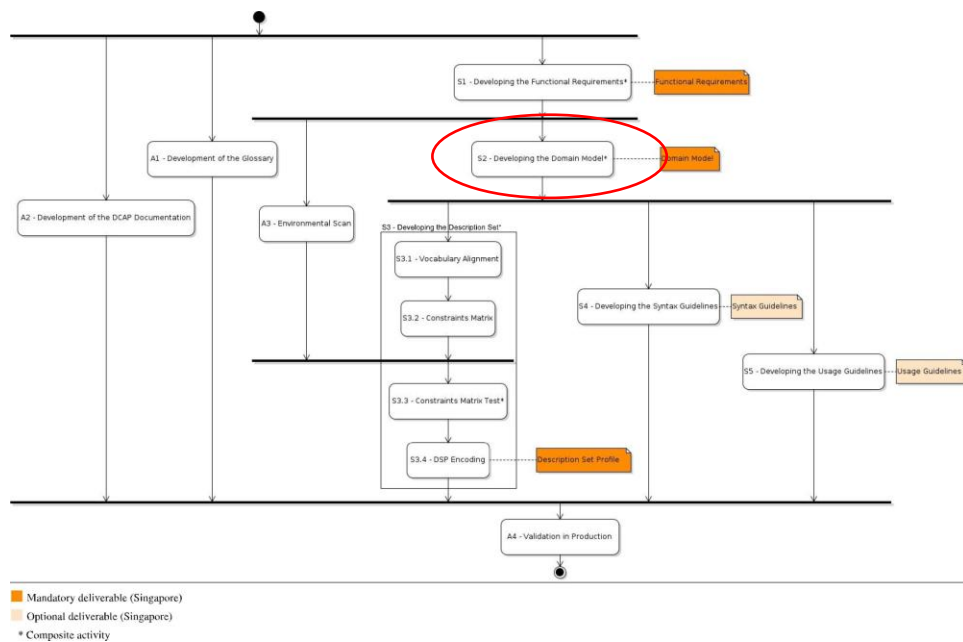# Functional Requirements

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Developing
Functional Requirements

S1 - Developing the Functional Requirements*   Functional Requirements

S1.1 - Vision

S1.2 - Work-Plan   S1.3 - Application Domain

S1.4 - High-Level Requirements

S1.5 - Use-Case Model*   Functional Requirements

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Use Case Model

S1.5 - Use-Case Model*   Functional Requirements

S1.5.1 - General Use-Cases

S1.5.2 - Detailded Use-Cases

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Mandatory deliverable (Singapore)
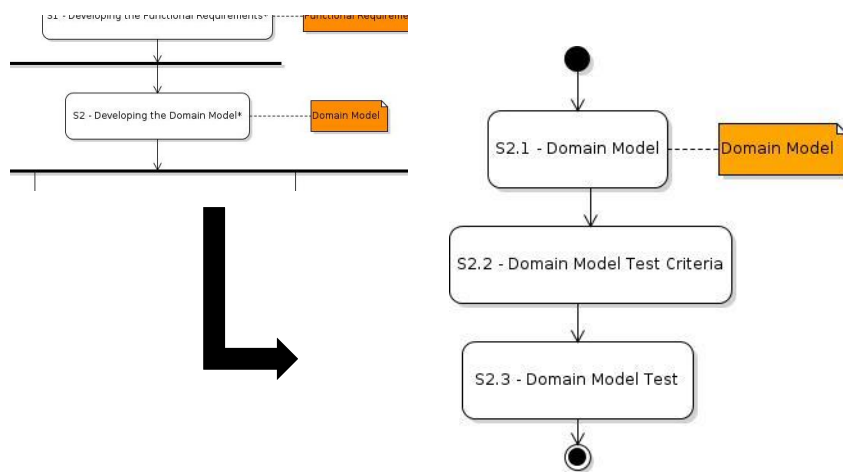Optional deliverable (Singapore)
* Composite activity

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Developing the Domain Model

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Mandatory deliverable (Singapore)
Optional deliverable (Singapore)
* Composite activity

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Mandatory deliverable (Singapore)
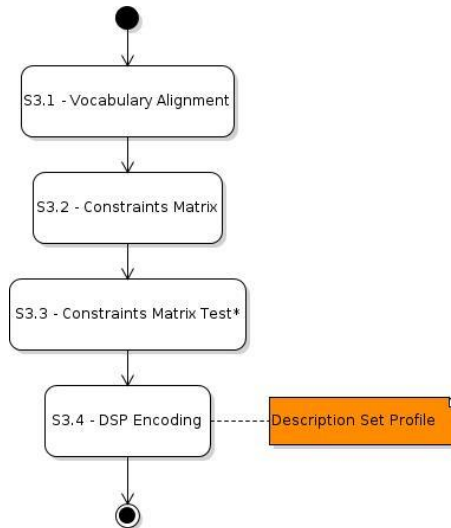Optional deliverable (Singapore)
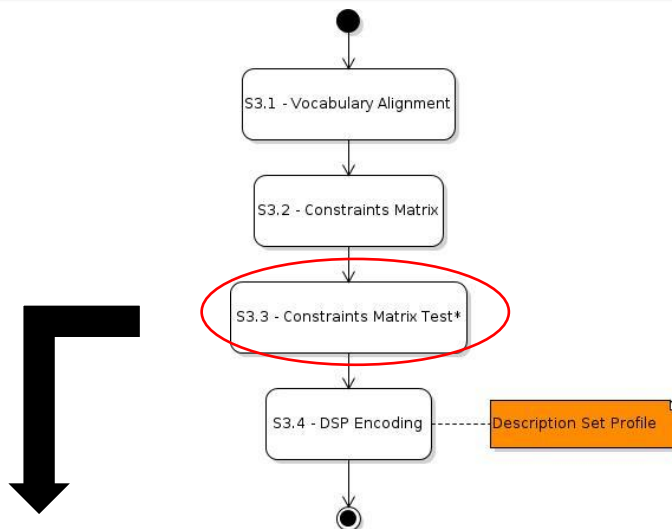* Composite activity
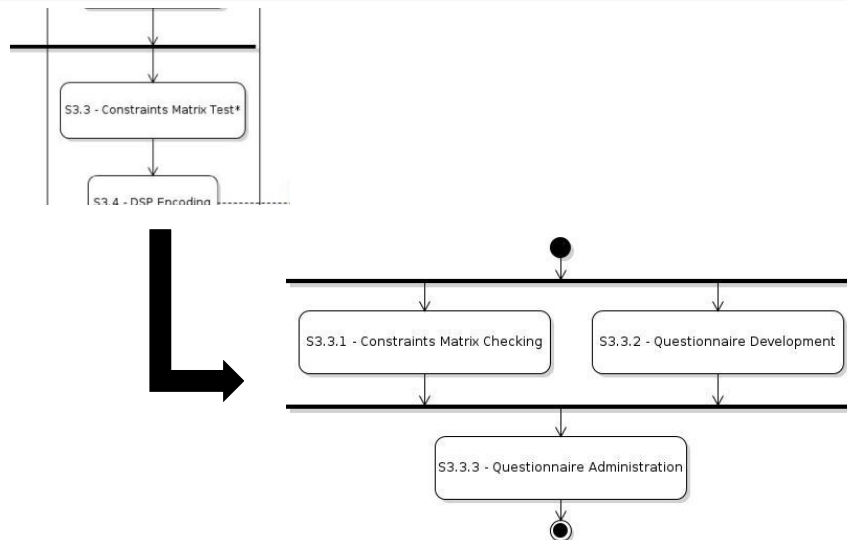
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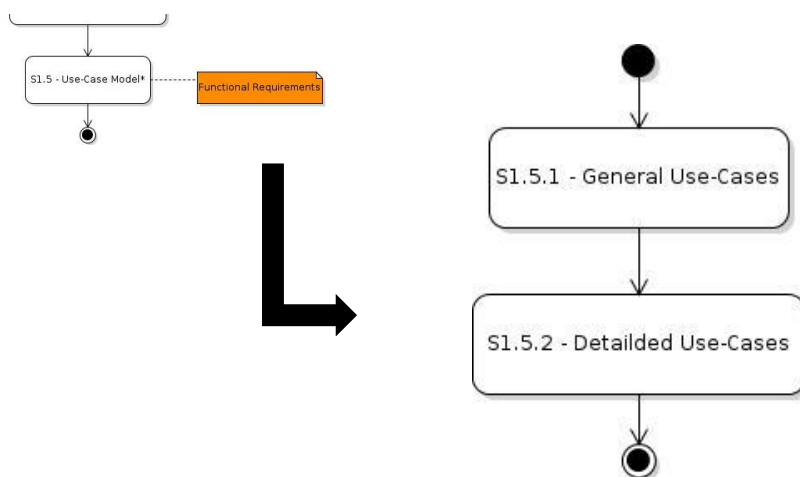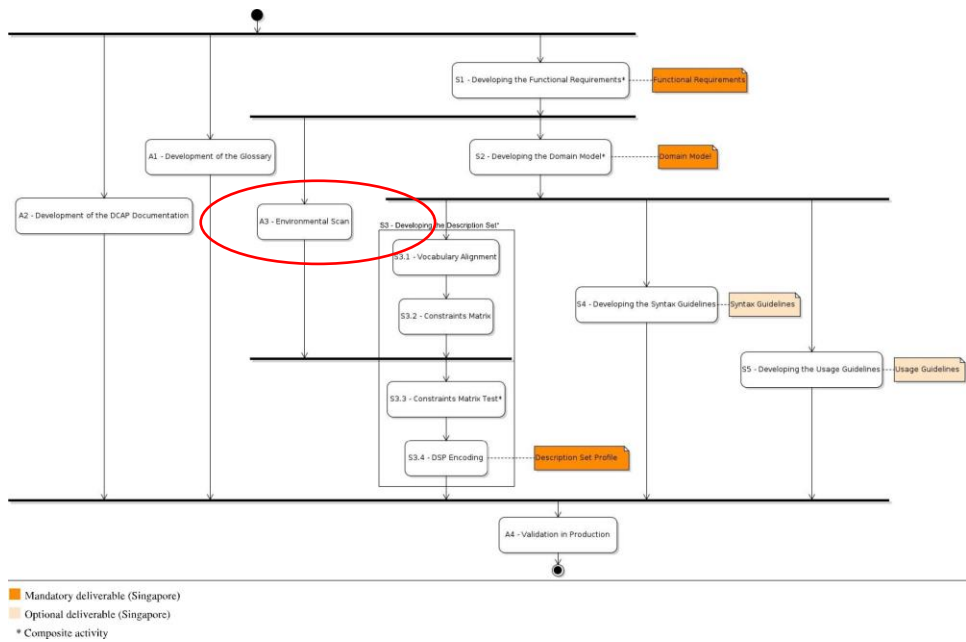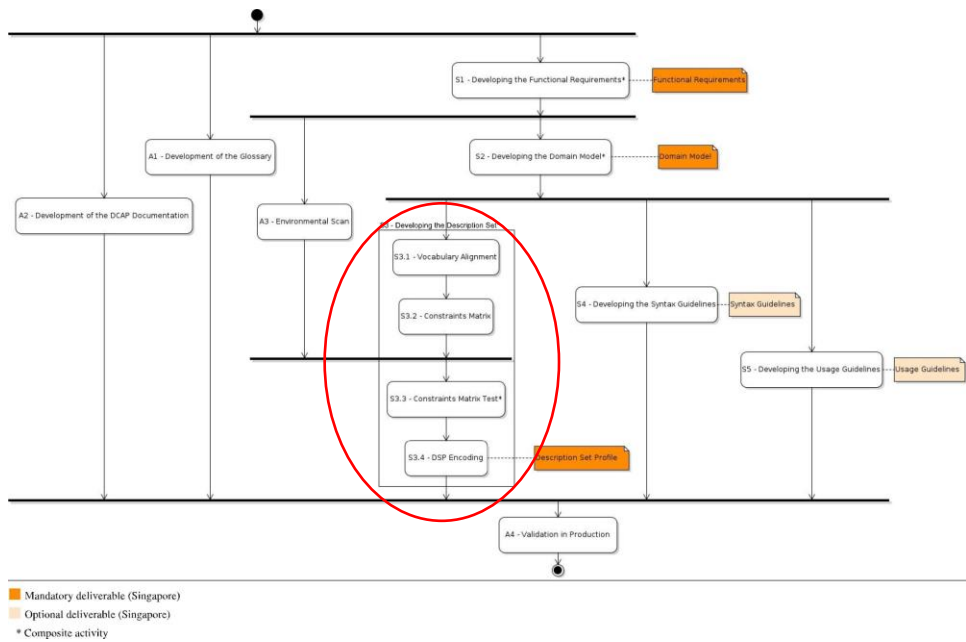
Developing the Description Set

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Developing the Description Set

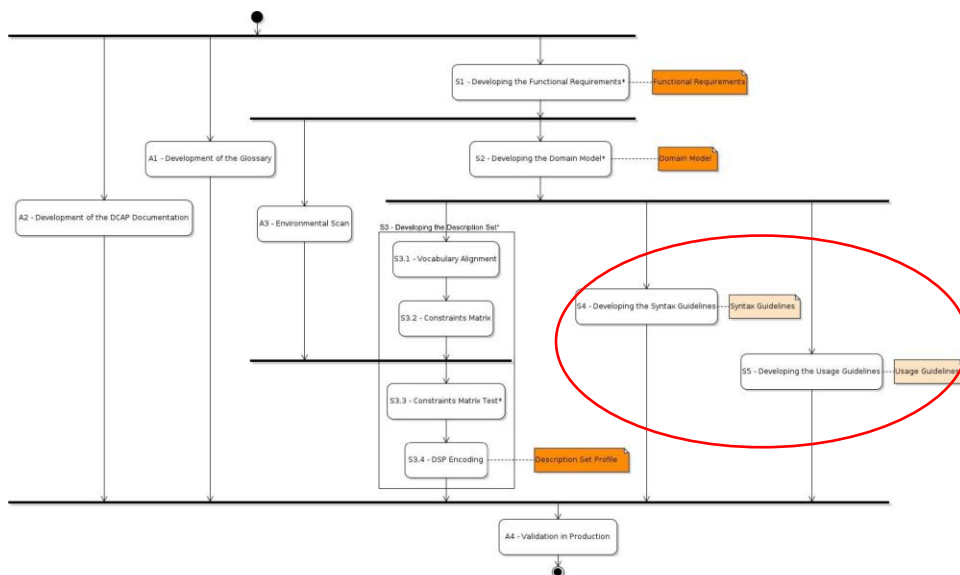

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Constraints Matrix

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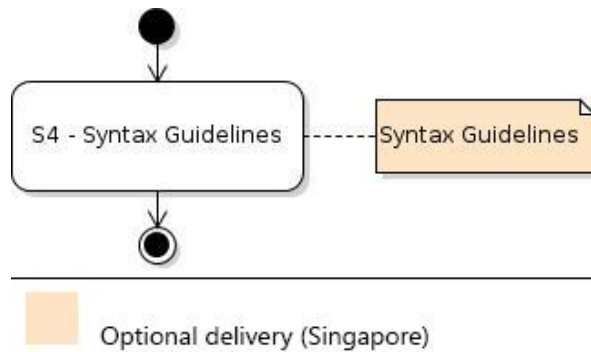

Mandatory deliverable (Singapore)
Optional deliverable (Singapore)
* Composite activity

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Developing the Syntax Guidelines

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│ S4 - Syntax Guidelines│- - - - - -│ Syntax Guidelines │
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        ◉
───────────────────────────────────────
  ▭   Optional delivery (Singapore)
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Developing the Usage Guidelines

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        ●
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┌──────────────────────┐          ┌──────────────────┐
│ S5 - Usage Guidelines │- - - - -│ Usage Guidelines │
└──────────────────────┘          └──────────────────┘
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  ▭   Optional deliverable (Singapore)
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Mandatory deliverable (Singapore)
Optional deliverable (Singapore)
* Composite activity

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Mandatory deliverable (Singapore)
Optional deliverable (Singapore)
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Optional deliverable (Singapore)
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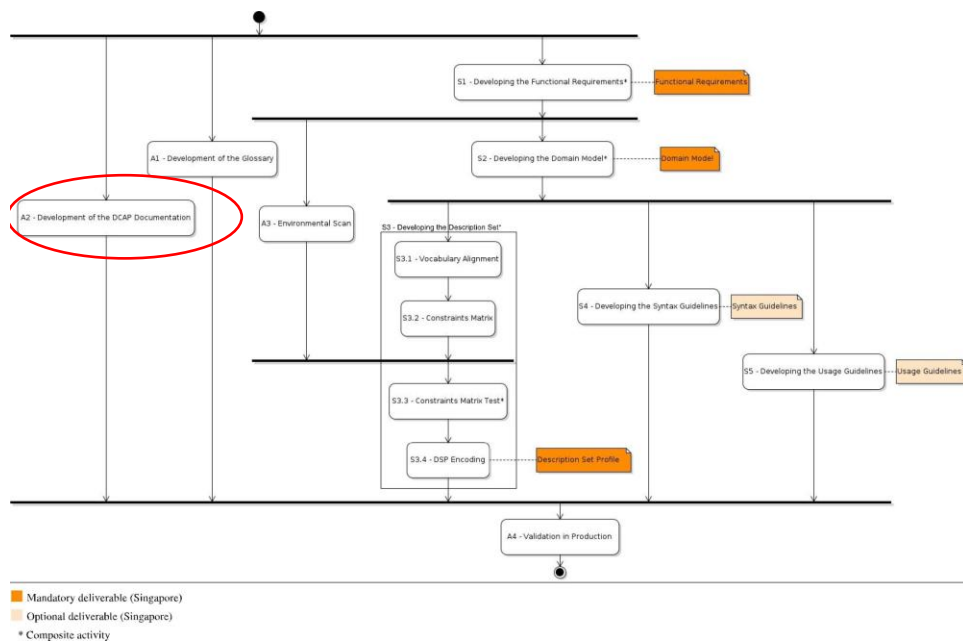HANDS ON

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How to proceed ?

- Devide in groups of 3
- Think of a project

- Hands on:
  - Functional Requirements
  - Domain Model
  - Vocabulary Alignment
  - Constraints Matrix (simplified)

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Funtional Requirements. Scenario analysis

- → CCU model (used in the information arquitecture science):
  - **Context**: organization or instituition that as its own culture, its priorities, needs, strengths and wiknesses.

  - **Content:** particular content of the MAP (Type of object, Themes)

  - **Users:** identify the users that will execute the services of the Website (that uses the MAP, or is modeled with the MAP)

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URL of the workshop materials

- Use the model in powerpoint we provide

- You can access all materials of the workshop at the URL:

http://bit.ly/dc2016_ap_workshop

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Thank you!

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