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# **Sprint 2.MSD:** **Business Model** **Implementation**

S2 • 2020

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# Overview

## Business Components Implementation:

- Domain Model Implementation
- Business Rules Implementation

## Course Coverage:

- Theme\_2: Course\_3, Course\_4

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# Domain Model Implementation

## Domain Entities

- Entities and relationships
- Value Objects:
  - Enums
  - VO Custom Data Types

## Entity Aggregates

- Root Entity
  - Components
    - Component Entities
    - Value Objects
  - Associations within aggregates
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# Business Rules Implementation

## Validation Rules

- JavaBean Validation Rules annotations into Domain Entities
- Domain Validation Service

## Computation Rules

- Domain Computation Services for Entity *Fields*
- Domain Computation Services for Entity *Views*

## Business Workflow Rules

- Business Workflow (Use-case) Services
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# Deliverables

## Entity **Classes**

## Entity Support Services **Interfaces** and Implementation **Classes**

- Aggregate Entity Factory

## Business Services **Classes** **Interfaces** and Implementation **Classes**

- Validation Service
- Computation Services
- Workflow Services

## Spring App Configuration **Class**

## JUnit Test **Classes**

- Test for Validation Service
  - Test for Computation Services
  - Test for Workflow Services
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