# **Sequence Diagrams**

## **updateEntity**



| **Interaction** | **Description** |
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| 1.0 | Service Consumer (SC) calls updateEntity on Facade API |

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| 1.1 | Facade API calls updateEntity on BackEnd System (BAS) |

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| 1.2 | BAS invokes validateData internally to get validData=true/false |

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| 1.3 | and entityData is not valid then, BAS responds to Facade API with Exception "Invalid entity data" |

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| 1.4 | Facade API responds to SC with Exception "Invalid entity data" |

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| 1.5 | BAS calls query on DataStore |

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| 1.6 | DataStore responds to BAS with resultset |

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| 1.7 | If resultset contains an Entity then, BAS calls query on DataStore |

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| 1.8 | DataStore responds to BAS with resultset |

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| 1.9 | If resultset contains an Entity and update query was successful then, BAS responds to Facade API with Successfully updated entity |

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| 1.10 | Facade API responds to SC with Successfully updated entity |

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| 1.11 | If resultset contains an Entity and update query was not successful then, BAS responds to Facade API with Exception "Could not update entity" |

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| 1.12 | Facade API responds to SC with Exception "Could not update entity" |

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| 1.13 | If resultset contains an Entity then, BAS responds to Facade API with Exception "Entity not found" |

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| 1.14 | Facade API responds to SC with Exception "Entity not found" |