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| **Service Name** | Sample-Service |
| **Description** | The Sample-Service provides an API for creating, revising, and cancelling orders. |
| **Capabilities** | * Sample Management * … |

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| **Service APIs** | | |
| **Commands** | **Queries** | **Events** |
| **Sync commands** | * getSamples() * getSampleById() * findSample() * … | * SampleCreated * SampleAuthorized * SampleRevised * SampleCancelled * ... |
| * createSample() * reviseSample() * … |
| **Async commands** |
| * createSampleAsync() * createSampleSaga() * … |

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| **Observability** | |
| **Key Metrics** | * placed\_samples * approved\_samples * rejected\_samples * … |
| **Health check endpoint** | /actuator/health |

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| **Non-functional requirements** | * 99.95% availability * 1000 orders/second |

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| **Implementation** | **Domain Model**   * sample aggregate |

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| **Dependencies** | | |
| **Invokes** |  | **Subscribes to** |
| |  | | --- | | **Consumer Service:** | | validateOrder() | | **Kitchen service:** | | createTicket()  confirmCreateTicket()  cancelCreateTicket() | | **Accounting Service:** | | authorize() | | |  | | --- | | **Restaurant Service:** | | Restaurant Created event  Restaurant Menu Revised event | | **Saga reply channels:** | | Create Order Saga  Revise Order Saga  Cancel Order Saga | |