# Design Traceability

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| **Requirements** | **Methods** | **Container Classes** |
| R1: Generate list with available mini rooms | * listAvailableMiniRooms() * initializeMiniRooms() * printAvailableMiniRooms() * isAvailable() | Main  DataCenter  MiniRoom |
| R2: Rent a mini room | * rentMiniRoom() * addServerToMiniRoom() * locateMiniRoom() * addServer() | Main  DataCenter  MiniRoom |
| R3: Cancel mini room rent | * cancelMiniRoomRent() * locateMiniRoom() * cancelRent() * displayProcessingCapacity() | Main  DataCenter  MiniRoom |
| R4: Show data center map | * showDataCenterMap() * printTestMap() * printDataCenterMap() | Main  DataCenter |
| R5: Simulate the power on protocols of the data center | * manipulateMiniRooms() * simulatePowerOnProtocol() * setOn() | Main  DataCenter  MiniRoom |
| R6: Simulate the power off protocols of the data center | * manipulateMiniRooms() * simulatePowerOffProtocol() * printTestMap() * setOn() | Main  DataCenter  MiniRoom |