3 Individual Steps and Test Description

3.1 Persistence Module Tests (P)

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| **Test Case Identifier** | P I1 T1 |
| **Test Item(s)** | Database 🡪 DBMS |
| **Input Specification** | Create random queries |
| **Output Specification** | Check database structure and concurrency |
| **Environmental Needs** | N/A |

3.2 Business Logic (B)

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| **Test Case Identifier** | B I2 T1 |
| **Test Item(s)** | User 🡪 User Manager |
| **Input Specification** | Generate typical User traffic |
| **Output Specification** | Check user management |
| **Environmental Needs** | N/A |

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| --- | --- |
| **Test Case Identifier** | B I3 T1 |
| **Test Item(s)** | Admin entity 🡪 User Manager |
| **Input Specification** | Generate typical Admin traffic |
| **Output Specification** | Check admin management |
| **Environmental Needs** | N/A |

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| --- | --- |
| **Test Case Identifier** | B I4 T1 |
| **Test Item(s)** | Taxi Manager 🡪 Taxi Manager |
| **Input Specification** | Generate typical Taxi Manager traffic |
| **Output Specification** | Check taxi management |
| **Environmental Needs** | N/A |

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| --- | --- |
| **Test Case Identifier** | B I5 T1 |
| **Test Item(s)** | User Manager 🡪 Entity Manager |
| **Input Specification** | Generate typical User Manager traffic |
| **Output Specification** | Check generic entity manager |
| **Enviromental Needs** | I2 and I3 tests succeeded |

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| **Test Case Identifier** | B I6 T1 |
| **Test Item(s)** | Taxi Manager 🡪 Entity Manager |
| **Input Specification** | Generate typical Taxi Manager traffic |
| **Output Specification** | Check generic entity manager |
| **Enviromental Needs** | I4 test succeeded |

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| **Test Case Identifier** | B I7 T1 |
| **Test Item(s)** | Taxi Driver 🡪Queue Manager |
| **Input Specification** |  |
| **Output Specification** | Check queue management |
| **Enviromental Needs** | N/A |

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| --- | --- |
| **Test Case Identifier** | B I8 T1 |
| **Test Item(s)** | User Manager, Queue Manager 🡪 Request Manager |
| **Input Specification** |  |
| **Output Specification** | Check request management |
| **Enviromental Needs** | I2, I3 and I7 tests succeeded |

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| --- | --- |
| **Test Case Identifier** | B I9 T1 |
| **Test Item(s)** | User Manager, Request Manager 🡪 Reservation Manager |
| **Input Specification** |  |
| **Output Specification** | Check reservation creation and management |
| **Enviromental Needs** | I2, I3 and I8 tests succeeded |

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| --- | --- |
| **Test Case Identifier** | B I10 T1 |
| **Test Item(s)** | User Manager, Taxi Driver, Request Manager 🡪 Notification Center |
| **Input Specification** |  |
| **Output Specification** | Check notification behaviour |
| **Enviromental Needs** | I2, I3, I7 and I8 tests succeeded |

3.3 Subsystems Test

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| **Test Case Identifier** | S I11 T1 |
| **Test Item(s)** | Persistence Module 🡪 Business Logic |
| **Input Specification** |  |
| **Output Specification** | Check |
| **Enviromental Needs** | P block and B block tests succeeded |

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| --- | --- |
| **Test Case Identifier** | S I12 T1 |
| **Test Item(s)** | Client Tier 🡪 Business Logic |
| **Input Specification** |  |
| **Output Specification** | Check |
| **Enviromental Needs** | B block and C block tests succeeded |

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| --- | --- |
| **Test Case Identifier** | S I13 T1 |
| **Test Item(s)** | Client Tier 🡪 External Applications |
| **Input Specification** |  |
| **Output Specification** | Check external applications compatibility and functionalities |
| **Enviromental Needs** | C block tests succeeded |

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| --- | --- |
| **Test Case Identifier** | S I13 T2 |
| **Test Item(s)** | Business Logic 🡪 External Applications |
| **Input Specification** |  |
| **Output Specification** | Check external applications compatibility and functionalities |
| **Enviromental Needs** | B block tests succeeded |