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** | T2 and T3 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** | T4 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** | T2, T3 and T7 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 generic entity manager |
| **Enviromental Needs** | T2 and T3 succeeded |

|  |  |
| --- | --- |
| **Test Case Identifier** | B I10 T1 |
| **Test Item(s)** | User Manager, Queue Manager 🡪 Request Manager |
| **Input Specification** |  |
| **Output Specification** | Check request management |
| **Enviromental Needs** | T2, T3 and T7 succeeded |

3.3 Client Tier