System traceability

|  |  |  |  |
| --- | --- | --- | --- |
| Java files | Report costs | Provide gateinfo, transportinfo | Provide flightinfo |
| AirsideManagement.java | X |  | X |
| LandsideManagement.java | X | X |  |
| FinancialManagement.java | X |  |  |
| TerminalManagement.java |  | X | X |

Sub-system 1 traceability

|  |  |  |
| --- | --- | --- |
| Java files | Use case 1 | Use case 2 |
| Airplane.java | X |  |
| Pilot.java | X | X |
| etc… |  |  |

Sub-system 2 traceability

|  |  |  |  |
| --- | --- | --- | --- |
| Java files | ConductBusToGate | RequestFuelStatus | RefuelVehicle |
| Vehicle.java | X | X | X |
| Bus.java | X | X |  |
| Driver.java | X | X | X |
| Destination.java | X | X |  |
| FuelDepot |  | X |  |
| LandsideManagement.java | X | X |  |

Sub-system 3 traceability

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Java files | Check-in flight | Hand over baggage | Tag baggage and forward | Check passport | Confirm visa |
| Check.java |  |  |  | X | X |
| BaggageItem.java | X | X | X |  |  |
| BorderPoliceCheck.java | X |  |  | X | X |
| Checkin.java | X | X | X |  |  |
| FlightInformation.java | X |  | X |  |  |
| Passenger.java |  |  |  | X | X |
| Passport.java | X |  |  | X | X |
| Tag.java |  |  | X |  |  |
| TaggingMachine.java |  |  | X |  |  |
| Visa.java |  |  |  |  | X |

Sub-system 4 traceability

|  |  |  |
| --- | --- | --- |
| Java files | Use case 1 | Use case 2 |
| Airplane.java | X |  |
| Pilot.java | X | X |
| etc… |  |  |

Sub-system 5 traceability

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Java files | Book facilites | Update Ticketinfo | Assign Employees | Manage Maintenances |
| FinancialManagement.java |  | X | X | X |
| Airline.java | X | X |  |  |
| Employee.java |  |  | X |  |
| Facility.java | X |  |  |  |
| FinancialManagementEmployee.java | X | X | X | X |
| Maintenance.java |  |  |  | X |

Notes:

* The ***X*** means that that file is part of the implementation of that use case.
* Replace *Use case 1* by the name of your real use cases (e.g. Perform check-in)
* Add in the tables only the use cases implemented in the corresponding system/sub-system.
* Only add the Java files that are being used in that system/sub-system (*e.g* if sub-system 1 does not need the Pilot, then remove it from the table of that sub-system)