«interface» ILandingCommand

+ initiateLandingPermission(runway: Runway, plane: Plane): void

«interface» ITower

+ disasterOccured(location: String, message: String): void
+ registerFireStation(fireStation: FireStation, runway: Runway): void
+ registerLandingPlane(plane: Plane): void
+ registerRunway(runway: Runway): void

Runway

- id: String
- plane: Plane
- tower: ITower

+ initiateLandingPermission(runway: Runway, plane: Plane): void

Plane

- id: String
- isCrashed: Boolean
- planeType: PlaneType
- runway: Runway
- tower: ITower

+ initiateLandingPermission(runway: Runway, plane: Plane): void

Tower

- fireStations: List<FireStation>
- planeCrashAlarmButtonListeners: List<IPlaneCrashAlarmButtonListener>
- planes: List<Plane>
- runways: List<Runway>

+ addPlaneCrashAlarmButtonListener(listener: IPlaneCrashAlarmButtonListener): void
+ disasterOccured(location: String, message: String): void
+ registerFireStation(fireStation: FireStation, runway: Runway): void
+ registerLandingPlane(plane: Plane): void
+ registerRunway(runway: Runway): void
+ removePlaneCrashAlarmButtonListener(listener: IPlaneCrashAlarmButtonListener): void
- triggerPlaneCrashAlarm(runway: List<Runway>): void

«interface» IPlaneCrashAlarmButtonListener

+ planesCrashed(planeCrashes: List<Runway>): void

FireStation

- disasterButtonListeners: List<ITower>
- fireTruckMoveOutCommand: IFireTruckMoveOutCommand
- fireTrucks: List<FireTrucks>
- id: String
- runway: Runway
- tower: ITower

+ addDisasterButtonLister(listener: ITower): void
- handleOwnRunwayCrash(plane: Plane): void
- handleSupportForOtherRunway(runway: Runway): void
+ planesCrashed(planeCrashes: List<Runway>): void
+ removeDisasterButtonLister(listener: ITower): void
- sendFireTrucksToOwnRunway(trucks: List<FireTruck>): void
- sendSupportToOtherRunway(trucks: List<FireTruck>, runway: Runway): void
- sendSupportToOtherRunway(truck: Optional<FireTruck>, runway: Runway): void
- triggerDisasterAlarm(location: String, message: String): void

FireTruck

- fireStationId: String
- id: String
- isInUse: boolean

+ moveout(runway: Runway): void

«interface» IFireTruckMoveOutCommand

+ execute(runway: Runway): void

«enumeration» PlaneType

A319
A320
A330
A350
A380
B737
B747
B777
B787

FireTruckMoveOutCommand

- fireTruck: FireTruck

+ execute(runway: Runway): void