

CLASS UML DIAGRAMS

Fleet
-fleet: Aircraft [] -count: int
+Fleet() +readFile(String:fileName):void +addAircraft(Aircraft: craft): void +writeFile(String:fileName):void +displayFleet(): void +displayMaintenanceList(): void +sortArray(Aircraft []: fleet): void +displayMaintenanceList(): void +updateMiles(String: regNo, int: miles): int +updateMaintenance(String:regNo): void +displayAircraft(String: regNo):void +removeAircraft(String:regNo): void +getCount():int +getAircraft(): Aircraft []

TextMenu
-menuItems: String []
+TextMenu(String []:menuItems +getChoice(): int -displayMenu(): void -validateChoice(String: input): int

Aircraft
-airCraftName: String -regNo: String -manufacturer: String -maxRange: int -crewSize: int -yearPutInService: int -maxServiceWeight:int -numPassengers: int -lastMaintenanceDate: String -lastMaintenanceMiles: int -totalMiles: int
+Aircraft() +Aircraft(String:airCraftName,String:regNo,String:manufacturer,int:maxRange,int:crewSize,int:yearPutInService,int:maxServiceWeight,int:numPassengers,int:totalMiles,String:lastMaintenanceDate,int:lastMaintenanceMiles) +needsMaintenance(): boolean +shouldRetire():Boolean +getAircraftName():String +getRegNo():String +getManufacturer():String +getMaxRange():int +getCrewSize:int +getYearPutInService: int +getMaxServiceWeight: int +getNumPassengers: int +getLastMaintenanceDate: String +setLastMaintenanceDate(String:lastMaintenanceDate):void +getLastMaintenanceMiles(): int +getTotalMiles(): int +toString(): String