

UML and Class Hierarchy Diagram

CS 1337 Program 4

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UML Diagrams

Aircraft
- seating_capacity: int - number_of_engines: int
+ Aircraft(initSeats: int, initEngines: int): + virtual ~Aircraft(): + virtual printCharacteristics() const: void + setSeatingCapacity(num: int): void + setNumberOfEngines(num: int): void + getSeatingCapacity() const: int + getNumberOfEngines() const: int

Fighter
- missile_capacity: int - bomb_capacity: int - number_of_cannons: int
+ Fighter(initMissiles: int, initBombs: int, initCannons: int, initSeats: int, initEngines: int) + ~Fighter(): + printCharacteristics() const: void + setMissileCapacity(num: int): void + setBombCapacity(num: int): void + setNumberOfCannons(num: int): void + getMissileCapacity() const: int + getBombCapacity() const: int + getNumberOfCannons() const: int

Freight
- payload: float - cruise_speed: int - range: int
+ Freight(initPayload: float, initSpeed: int, initRange: int, initSeats: int, initEngines: int) + ~Freight(): + printCharacteristics() const: void + setPayload(num: float): void + setCruiseSpeed(num: int): void + setRange(num: int): void + getPayload() const: float + getCruiseSpeed() const: int + getRange() const: int

Recon
- num_of_cameras: int - num_of_radars: int
+ Recon(initNumCam: int, initNumRadar: int, initSeats: int, initEngines: int): + ~Recon(): + printCharacteristics() const: void + setNumOfCameras(num: int): void + setNumOfRadars(num: int): void + getNumOfCameras() const: int + getNumOfRadars() const: int

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