UML Diagram

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| MyShip3 | Class name |
| +ArrayList | Imports the ArrayList |
| + main(): void | * Initialize an Arraylist that accepts an object of type Ship * Add ship objects from each class to be stored in ArrayList * Establish a for loop to display the created ship objects |

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| Ship | Class name |
| -shipName  -year  +Ship(String shipName,String year)  +getShipName():Sting  +setShipName(shipName:String):void  +getYear():String  +setYear(+getYear(year:String):String  +toString():String | * Declares a variable shipName to store the ships name * Declares a variable year to store the year the ship was made * Constructor that assigns ships name and year * Accessor that returns the ships name * Mutator that assigns the ships name * Accessor that returns the ships year * Mutator that assigns the ships year * Returns the ships name and year |

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| CruiseShip | Class name |
| -maxPassengers: int  +CruiseShip()  +CruiseShip(maxPassengers:int,name:String,year:String)  +getMaxPassengers():int  +setMaxPassengers(maxPassengers:int):void  +toString():String | * Declares a variable maxPassenegers to store the amount of passengers allowed on the ship * No argument constructor * Constructor that assigns the maximum number of passengers, ships name, and ships year * Accessor that returns the maximum number of passengers * Mutator that assigns the maximum number passenges on the ship * Returns the ships name, year, and maximum number of passengers |

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| CargoShip | Class name |
| -tonnage: int  +CargoShip()  +CruiseShip(maxPassengers:int,name:String,year:String)  +getTonnage():int  +setTonnage(tonnage:int):void  +toString():String | * Declares a variable tonnage to store the amount the tonnage capacity of the ship * No argument constructor * Constructor that assigns the tonnage capacity, ships name, and ships year * Accessor that returns the tonnage capacity * Mutator that assigns the tonnage capacity of the ship * Returns the ships name, year, and tonnage capacity |