application name: String registry: String Sclass: String ▲ Starship(String,String,String) Starship() setName(String):void getName():String setRegistry(String):void getRegistry():String setStarshipClass(String):void getStarshipClass():String getMembers():ArrayList<CrewMember> setStudents(ArrayList<CrewMember>):void removeMember(CrewMember):void addMember(CrewMember):void toString():String -cMember <<Java Class>> ● CrewMember application name: String position: String rank: String species: String registry: String CrewMember(String,String,String,String) CrewMember() setRegistry(String):void setName(String):void setPosition(String):void setRank(String):void setSpecies(String):void getRegistry():String getSpecies():String getName():String getPosition():String getRank():String

toString():String



application

- Main()
- start(Stage):void
- ^Smain(String[]):void

<<Java Class>>

application

- name: String
- △ studentFile: File
- △ zoneFile: File
- ▲CFleet()
- Fleet(String)
- setName(String):void
- getName():String
- getShips():ArrayList<Starship>
- setShips(ArrayList<Starship>):void
- addShip(Starship):void
- toString():String
- loadStarships(String):void
- loadCrewMembers(String):void
- getStarshipsByName(String):String

<<Java Class>>

application

- △ button1: Button
- △ textOutput: TextArea
- △ textBox: TextField
- MainController()
- handle(ActionEvent):void



<<Java Class>>

Starship

application

- name: String
- registry: String
- Sclass: String
- Starship(String,String,String)
- Starship()
- setName(String):void
- getName():String
- setRegistry(String):void
- getRegistry():String
- setStarshipClass(String):void
- getStarshipClass():String
- getMembers():ArrayList<CrewMember>
- setStudents(ArrayList<CrewMember>):void
- removeMember(CrewMember):void
- addMember(CrewMember):void
- toString():String

-cMember \ 0..*