Main + isSimulating: boolean + ship : SpaceShip + strStartPlanet + strNextPlanet + chosenRoute : Route

Route

- startPlanet : Planet - endPlanet : Planet
- distance : double
- time : double
- routeNum : int
- routeLine : Line - routeInfo : TextArea
- routeList : ArrayList<Route>
- initRouteInfoActions(): void

SpaceShip

- route : ArrayList<Route>
- passengers : int
- maxPassengers : int
- maxSpeed : int
- + determineBestRoute(): void
- + determineDropPassengers(Planet)
- + determineCollectPassengers(Planet)
- + dropPassengers(Planet)
- + collectPassengers(Planet)

Planet

- name : String
- orbitRadiusAU: short - angle : short
- x : BigInteger
- y : BigInteger
- population : int
- maxPop : int
- image : Circle
- orbit : Circle
- + planetList : ArravList<Planet>
- initImageActions(): void
- + insertList : void
- + updateList : void
- + deleteList : void
- + searchPlanet : Planet
- + getPlanetList : Planet[]

Database

- + con: Connection
- + prepSt : PreparedStatement + rs : ResultSet
- + metaRs : MetaResultSet
- + establishConnection(): String
- + query(String query) : String + insert(String query) : String
- + update(String query) : String + delete(String guery) String