Port
id: int
name:String

Terminal
id: int
open:TimeofDay
close:TimeOfDay
port: Port

Berth
id: int
unloadSpeed: double
terminal: Promise<Terminal>
open: TimeOfDay
close:TimeOfDay
width: int
depth: int
length: int

Vessel
id: int
name:String
containerAmount:int
cost: double
destinationTerminal: Promise<Terminal>
eta:DateTime
deadline:DateTime
width: int
depth: int
length: int

Authority
name:String
email:String
passwordHash:String
port: Port

Pleb
name:String
email:String
passwordHash:String
terminal: Terminal

Schedule
vessel: Promise<Vessel>
berth: Promise<Berth>
type:(manual/automatic)
start:DateTime
finish:DateTime

public

TerminalsResource
uriInfo: UriInfo
request: Request

public TerminalResource getTerminal(@PathParam("terminal_id") String id)
public void createTerminal(JAXBElement<Terminal> Terminal)

VesselsResource
uriInfo: UriInfo
request: Request

public VesselResource getVessel(@PathParam("vessel_id") String id)
public void createVessel(JAXBElement<Vessel> Vessel)

BerthsResource
uriInfo: UriInfo
request: Request

public BerthResource getBerth(@PathParam("berth_id") String id)
public List<Berth> getBerths();
public void createBerth(JAXBElement<Berth> Berth);

PortsResource
uriInfo: UriInfo
request: Request

public PortResource getPort(@PathParam("port_id") String id)
public List<Port> getPorts();
public void createPort(JAXBElement<Port> Port);

TerminalResource
uriInfo: UriInfo
request: Request
id: String

public void deleteTerminal()
public void replaceTerminal(JAXBElement<Terminal> Terminal)
public Terminal getTerminal()
public List<Berth> getBerths()
public Map<Integer, List<Schedules>> getSchedules(@QueryParam("from") DateTime from, @QueryParam("to") DateTime to)
public Map<Integer, List<Schedules>> getOptimalSchedules(Map<Integer, List<Schedules>> oldSchedule)

VesselResource
uriInfo: UriInfo
request: Request
id: String

public void deleteVessel()
public void replaceVessel(JAXBElement<Berth> Berth)
public Vessel getVessel()
public Schedule getSchedule()
public void deleteSchedule()
public void replaceSchedule(JAXBElement<Schedule> Schedule)

BerthResource
uriInfo: UriInfo
request: Request
id: String

public void deleteBerth()
public void replaceBerth(JAXBElement<Berth> Berth)
public Berth getBerth()
public List<Schedules> getSchedules(@QueryParam("from") DateTime from, @QueryParam("to") DateTime to)

PortResource
uriInfo: UriInfo
request: Request
id: String

public void deletePort()
public void replacePort(JAXBElement<Port> Port)
public Port getPort()
public List<Terminal> getTerimnals();
public List<Schedules> getSchedules(@QueryParam("from") DateTime from, @QueryParam("to") DateTime to)

GenericDAO (abstract)
HOST: String
DB_NAME: String
URL: String
USERNAME: String
PASSWORD: String

connection: Connection
statement: Statement
table: String

public static ResultSet executeQuery(String query)

TerminalDAO
table = "terminal"

VesselDAO
table = "vessel"

BerthDAO
table = "berth"

ScheduleDAO
table = "schedule"

PortDAO
table = "port"