

PartCategories
partCatId VARCHAR(30)
name VARCHAR(20)
description VARCHAR(200)
parent VARCHAR(30)
isGroup BOOLEAN

Parts
serialNum VARCHAR(30)
type VARCHAR(30)
addedOn TIMESTAMP
addedBy INT

ChamberSides
chamberType VARCHAR(30)
sideId INT
description VARCHAR(45)

GasTypes
gasTypeId INT
name VARCHAR(45)

DustTypes
dustTypeId INT
name VARCHAR(45)

Camera doesn't sounds like a part, but it's confirmed with Dr. Thomas that it is a part.

VesselSetups
vesselSetupId INT
dateTim e DATETIME
name VARCHAR(45)

SetupCameras
setupPartId INT
description VARCHAR(45)
positionR DECIMAL (18,9)
positionZ DECIMAL (18,9)
lens VARCHAR(30)
filter VARCHAR(30)

SetupParts
setupPartId INT
vesselSetupId INT
part VARCHAR(30)
parent INT
port INT

Electrode Type or ID?

ExperimentSetups
experimentSetupId INT
experimentId INT
dateTim e DATETIME
name VARCHAR(45)
description VARCHAR(45)
vesselSetupId INT
dcVoltageSetpoint DECIMAL (18,9)
dcCurrentSetpoint DECIMAL (18,9)
rfPowerSetpoint DECIMAL (18,9)
pressureSetpoint DECIMAL (18,9)
magnet1Setpoint DECIMAL (18,9)
magnet2Setpoint DECIMAL (18,9)
magnet3Setpoint DECIMAL (18,9)
magnet4Setpoint DECIMAL (18,9)
magneticFieldSetpoint DECIMAL (18,9)
magneticFieldGradientSetpoint DECIMAL (18,9)
gasType1 INT
gasType2 INT
dustType1 INT
dustType2 INT

SetupProbes
setupPartId INT
length DECIMAL (18,9)
width DECIMAL (18,9)

PIVSetup
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LIFSetup
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Experiments
experimentId INT
name VARCHAR(45)
description VARCHAR(45)
dateTim e DATETIME
isProgrammed BOOLEAN
researcherId INT
operatorId INT

Users
userId INT
email VARCHAR(45)
password VARCHAR(32)
firstName VARCHAR(45)
lastName VARCHAR(45)
phone DECIMAL (10)
affiliation VARCHAR(45)

Currently using PHP md5 has for password without salt

UserRoles
userId INT
roleId INT

Roles
roleId INT
roleName VARCHAR(45)

RolePermissions
roleId INT
controllerId VARCHAR(45)
actionId VARCHAR(45)
access VARCHAR(5)

Measurements
measurementId VARCHAR(15)
experimentSetupId INT
dateTim e DATETIME
dcVoltage DECIMAL (18,9)
dcCurrent DECIMAL (18,9)
rfPower DECIMAL (18,9)
massFlow DECIMAL (18,9)
pressure DECIMAL (18,9)
magnet1 DECIMAL (18,9)
magnet2 DECIMAL (18,9)
magnet3 DECIMAL (18,9)
magnet4 DECIMAL (18,9)
magneticField DECIMAL (18,9)
magneticFieldGradient DECIMAL (18,9)
dataPath VARCHAR(45)