

Deep Blue Sailing Relational Model

StaffManagement (employeeID, fName, lName, socialSecurityNo, contactPhone, mailingAddress, initialHireDate, employeeStatus) Primary Key employeeID
StaffMaintenance (employeeID, fName, lName, socialSecurityNo, contactPhone, mailingAddress, initialHireDate, employeeStatus) Primary Key employeeID
StaffInstruction (employeeID, fName, lName, socialSecurityNo, contactPhone, mailingAddress, initialHireDate, employeeStatus, certificationType, issueDate, expirationDate) Primary Key employeeID
StaffAdministration (employeeID, fName, lName, socialSecurityNo, contactPhone, mailingAddress, initialHireDate, employeeStatus) Primary Key employeeID
Sailboat (sailboatID, name, cfNumber, acquisitionDate, acquisitionCost, sailboatTypeID) Primary Key sailboatID Foreign Key sailboatTypeID references SailboatType (sailboatTypeID)
SailboatType (sailboatTypeID, type, length, maximumOccupancy, requiredCertification) Primary Key sailboatTypeID
Customer (customerID, name, email, billingAddress, phone, certificationNo, memberStatus) Primary Key customerID Foreign Key certification references Certification (certificationNo)
CertificationClass (classID, name, duration, employeeID) Primary Key classID Foreign Key employeeID references StaffInstruction (employeeID)
Rent (sailboatID, customerID, rentalLength) Primary Key sailboatID, customerID Foreign Key sailboatID references Sailboat (sailboatID) Foreign Key customerID references Customer (customerID)
Use (sailboatID, classID) Primary Key sailboatID, classID Foreign Key sailboatID references Sailboat (sailboatID) Foreign Key classID references CertificationClass (classID)
Enroll (classID, customerID) Primary Key classID, customerID Foreign Key classID references CertificationClass (classID) Foreign Key customerID references Customer (customerID)
Certification (certificationNo) Primary Key certificationNo