# SQL Scripts

## Create table users:

CREATE TABLE Members(

MemberId INT IDENTITY(1, 1) NOT NULL,

MemberName NVARCHAR(30) NOT NULL,

MemberEmail NVARCHAR(30) NOT NULL,

MemberPassword NVARCHAR(30) NOT NULL,

MemberPicture NVARCHAR(100),

MemberClub NVARCHAR(20) DEFAULT 'NONE' NOT NULL,

MemberType NVARCHAR(1) DEFAULT 'U'

CONSTRAINT PK\_Members PRIMARY KEY (MemberId ASC)

)

## Create Table Reports

CREATE TABLE Report(

ReportId INT IDENTITY(1, 1) NOT NULL,

ReportDate Date DEFAULT GETDATE() NOT NULL,

Location NVARCHAR(100) NOT NULL,

Tactics NVARCHAR(200) NOT NULL,

Species NVARCHAR(100) DEFAULT 'BLANK' NOT NULL,

Picture NVARCHAR(100),

Visibility NVARCHAR(5) DEFAULT 'PRIV' NOT NULL,

MemberId INT NOT NULL,

CONSTRAINT PK\_REPORTS PRIMARY KEY (ReportId ASC),

CONSTRAINT FK\_USERID FOREIGN KEY (MemberId) REFERENCES Members

)

## Create table Clubs

CREATE TABLE Clubs(

ClubId INT IDENTITY(1, 1) NOT NULL,

ClubName NVARCHAR(100) NOT NULL,

NumberOfMembers INT NOT NULL,

ClubManagerId INT NOT NULL,

CONSTRAINT PK\_CLUBS PRIMARY KEY (ClubId ASC),

CONSTRAINT FK\_CLUBMANAGERID FOREIGN KEY (ClubManagerId) REFERENCES Members

)

## Create Table Water Level

CREATE TABLE WaterLevel(

WaterLevelId INT IDENTITY(1, 1) NOT NULL,

County NVARCHAR(30) NOT NULL,

Name NVARCHAR(30) NOT NULL,

WaterBody NVARCHAR(60) NOT NULL,

WaterLevel NVARCHAR(30) NOT NULL,

URL NVARCHAR(60) NOT NULL,

CONSTRAINT PK\_WATERLEVEL PRIMARY KEY (WaterLevelId ASC)

)

## Inserting into Members

INSERT INTO Members(MemberName, MemberEmail, MemberPassword, MemberType)

VALUES

('Vasiok', 'vasioki@gmail.com', 'sule25', 'A'),

('Mik', 'miduffy@gmail.com', '123456', 'U'),

('Paul', 'pauld@gmail.com', '123456', 'U'),

('John', 'johnff@gmail.com', '123456', 'U')

## Populating clubs

INSERT INTO Clubs(ClubName, NumberOfMembers, ClubManagerId)

VALUES

('Royal Anglers', 200, 4),

('Portobello anglig club', 50, 1),

('Lucan Pike Anglers', 78, 2)

## Populating Reports

INSERT INTO Report(Location, Tactics, Species, Visibility, MemberId)

VALUES

('Roal canal Enfield', 'The float lift methid', 'Tench, Pike, Roach, Bream', 'PUB', 1),

('Trinity Lake Cavan', 'Dead baiting with bite alarm', 'Pike, Perch', 'PRIV', 3),

('Laugh Owel', 'Fly fishing', 'broun trout, rainbow trout', 'PUB', 2),

('Shannon river, Rooskey', 'Spinning', 'Pike, Perch', 'PRIV', 4)

## Populating Water Level

INSERT INTO WaterLevel(County, Name, WaterBody, WaterLevel, URL)

VALUES

('Donegal', 'Sandy Mills', 'Deele', 'Today 20:45 (0.269 m)', 'http:/​/​waterlevel.ie/​'),

('Kildare', 'Leixlip', 'Ryewater', 'Today 20:30 (0.288 m)', 'http:/​/​waterlevel.ie/​'),

('Dublin', 'Waldrons Bridge', 'Dodder', 'Today 21:00 (0.126 m)', 'http:/​/​waterlevel.ie/​'),

('Wicklow', 'Arklow Town Bridge', 'Avoca', 'Today 20:45 (1.326 m)', 'http:/​/​waterlevel.ie/​'),

('Carlow', 'Milford Lock', 'Canal', 'Today 20:45 (1.976 m)', 'http:/​/​waterlevel.ie/​')