

NATIONAL SCHOLARSHIP PORTAL

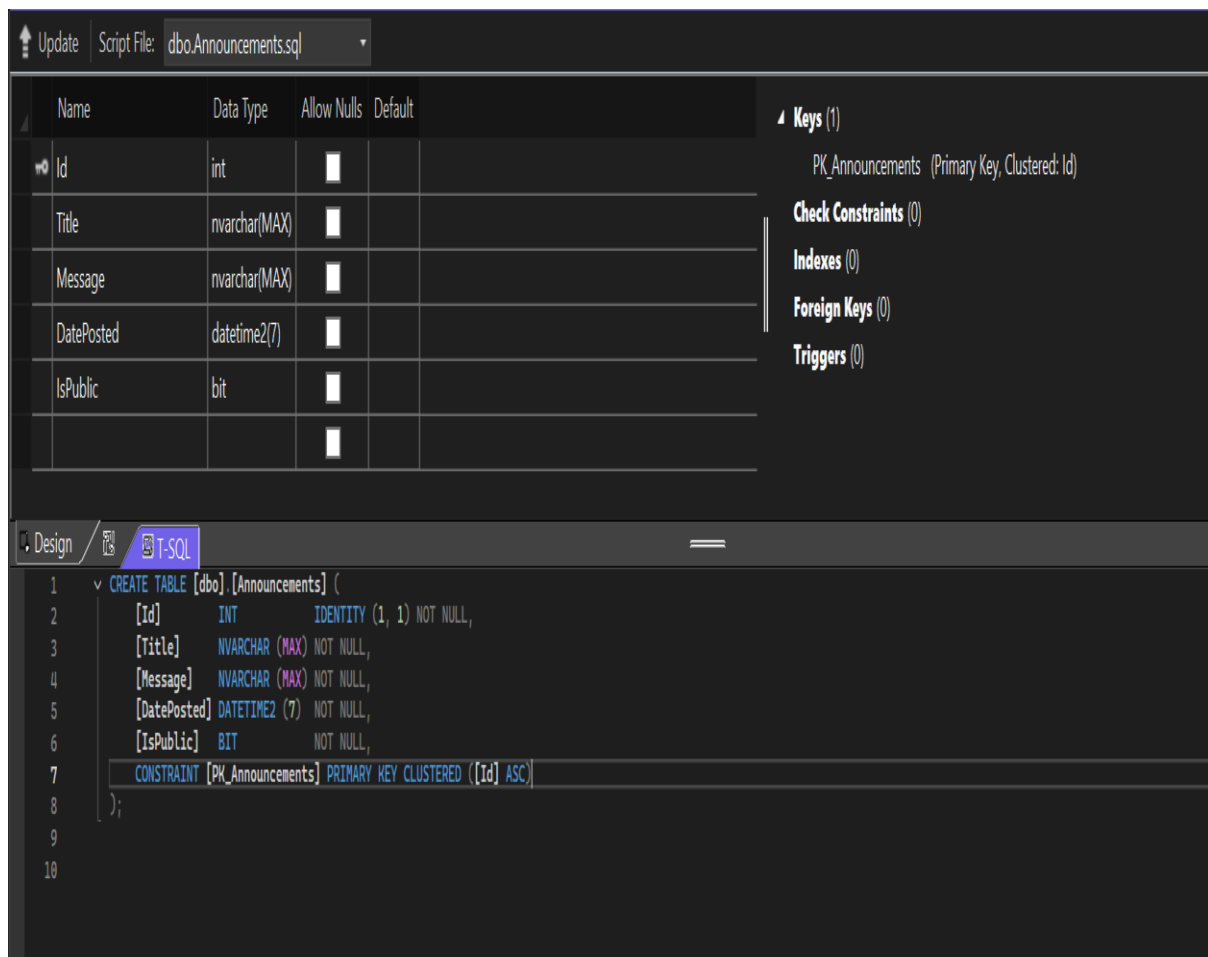
DATA BASE STRUCTURE

This document represents the database structure used for the Scholarship Management System. It includes essential tables such as Announcements, Student, Contact Message, Student Applications, Institution Application, and Scholarship Scheme.

Each table is briefly described below

1. Announcements Table

This table stores information about various scholarship-related announcements made by the Admin/Officer's. It helps students stay updated with the latest news, deadlines, and notifications.



The screenshot displays the SQL Server Enterprise Designer interface for the 'Announcements' table. The top section shows the table's columns: 'Id' (int, primary key), 'Title' (nvarchar(MAX)), 'Message' (nvarchar(MAX)), 'DatePosted' (datetime2(7)), and 'IsPublic' (bit). The bottom section shows the T-SQL script for creating the table.

Name	Data Type	Allow Nulls	Default
Id	int	<input type="checkbox"/>	
Title	nvarchar(MAX)	<input type="checkbox"/>	
Message	nvarchar(MAX)	<input type="checkbox"/>	
DatePosted	datetime2(7)	<input type="checkbox"/>	
IsPublic	bit	<input type="checkbox"/>	

Keys (1)
PK_Announcements (Primary Key, Clustered: Id)

Check Constraints (0)
Indexes (0)
Foreign Keys (0)
Triggers (0)

```
1 CREATE TABLE [dbo].[Announcements] (  
2     [Id] INT IDENTITY (1, 1) NOT NULL,  
3     [Title] NVARCHAR (MAX) NOT NULL,  
4     [Message] NVARCHAR (MAX) NOT NULL,  
5     [DatePosted] DATETIME2 (7) NOT NULL,  
6     [IsPublic] BIT NOT NULL,  
7     CONSTRAINT [PK_Announcements] PRIMARY KEY CLUSTERED ([Id] ASC)  
8 );  
9  
10
```

2. Contact Messages

This table records queries or feedback messages sent by users through the website contact form.

UpdateScript File: dbo.ContactMessages.sql

Name	Data Type	Allow Nulls	Default
Id	int	<input type="checkbox"/>	
Name	nvarchar(100)	<input type="checkbox"/>	
Email	nvarchar(MAX)	<input type="checkbox"/>	
Phone	nvarchar(MAX)	<input type="checkbox"/>	
Subject	nvarchar(150)	<input type="checkbox"/>	
Message	nvarchar(2000)	<input type="checkbox"/>	
CreatedAt	datetime2(7)	<input type="checkbox"/>	
IsRead	bit	<input type="checkbox"/>	
		<input type="checkbox"/>	

Keys (1)

PK_ContactMessages (Primary Key, Clustered: Id)

Check Constraints (0)

Indexes (0)

Foreign Keys (0)

Triggers (0)

DesignT-SQL

```
1 CREATE TABLE [dbo].[ContactMessages] (  
2 [Id] INT IDENTITY (1, 1) NOT NULL,  
3 [Name] NVARCHAR (100) NOT NULL,  
4 [Email] NVARCHAR (MAX) NOT NULL,  
5 [Phone] NVARCHAR (MAX) NOT NULL,  
6 [Subject] NVARCHAR (150) NOT NULL,  
7 [Message] NVARCHAR (2000) NOT NULL,  
8 [CreatedAt] DATETIME2 (7) NOT NULL,  
9 [IsRead] BIT NOT NULL,  
10 CONSTRAINT [PK_ContactMessages] PRIMARY KEY CLUSTERED ([Id] ASC)  
11 );  
12  
13
```

3. Student Table

Stores the personal and login details of students who register on the portal.

Update

Script File:

dbo.Students.sql

	Name	Data Type	Allow Nulls	Default
Id		int	<input type="checkbox"/>	
FullName		nvarchar(MAX)	<input type="checkbox"/>	
Email		nvarchar(MAX)	<input type="checkbox"/>	
PasswordHash		nvarchar(MAX)	<input type="checkbox"/>	
SecurityQuestion		nvarchar(MAX)	<input checked="" type="checkbox"/>	
SecurityAnswer		nvarchar(MAX)	<input checked="" type="checkbox"/>	
MobileNumber		nvarchar(MAX)	<input checked="" type="checkbox"/>	
PhotoPath		nvarchar(MAX)	<input checked="" type="checkbox"/>	
			<input type="checkbox"/>	

Keys (1)

PK_Students (Primary Key, Clustered: Id)

Check Constraints (0)

Indexes (0)

Foreign Keys (0)

Triggers (0)

Design

T-SQL

```
1 CREATE TABLE [dbo].[Students] (  
2 [Id] INT IDENTITY (1, 1) NOT NULL,  
3 [FullName] NVARCHAR (MAX) NOT NULL,  
4 [Email] NVARCHAR (MAX) NOT NULL,  
5 [PasswordHash] NVARCHAR (MAX) NOT NULL,  
6 [SecurityQuestion] NVARCHAR (MAX) NULL,  
7 [SecurityAnswer] NVARCHAR (MAX) NULL,  
8 [MobileNumber] NVARCHAR (MAX) NULL,  
9 [PhotoPath] NVARCHAR (MAX) NULL,  
10 CONSTRAINT [PK_Students] PRIMARY KEY CLUSTERED ([Id] ASC)  
11 );  
12  
13
```

4. Institute Applications Table

Stores the information about institutions applying or registration and used for login purposes.

Name	Data Type	Allow Nulls	Default
Id	int	<input type="checkbox"/>	
InstituteName	nvarchar(MAX)	<input type="checkbox"/>	
State	nvarchar(MAX)	<input type="checkbox"/>	
District	nvarchar(MAX)	<input type="checkbox"/>	
InstituteCode	nvarchar(MAX)	<input type="checkbox"/>	
DISECode	nvarchar(MAX)	<input type="checkbox"/>	
PasswordHash	nvarchar(MAX)	<input type="checkbox"/>	
Location	nvarchar(MAX)	<input type="checkbox"/>	
InstituteType	nvarchar(MAX)	<input type="checkbox"/>	
AffiliatedUniversityState	nvarchar(MAX)	<input type="checkbox"/>	
UniversityBoardName	nvarchar(MAX)	<input type="checkbox"/>	
YearAdmissionStarted	int	<input type="checkbox"/>	
Address	nvarchar(MAX)	<input type="checkbox"/>	
PrincipalName	nvarchar(MAX)	<input type="checkbox"/>	
MobileNumber	nvarchar(MAX)	<input type="checkbox"/>	
Telephone	nvarchar(MAX)	<input checked="" type="checkbox"/>	
EstablishCertificatePath	nvarchar(MAX)	<input type="checkbox"/>	
AffiliationCertificatePath	nvarchar(MAX)	<input type="checkbox"/>	
DeclarationAccepted	bit	<input type="checkbox"/>	

Status	nvarchar(MAX)	<input type="checkbox"/>	
SubmittedOn	datetime2(7)	<input type="checkbox"/>	
ApprovedOn	datetime2(7)	<input checked="" type="checkbox"/>	
IsActiveLogin	bit	<input type="checkbox"/>	
AdminNotes	nvarchar(MAX)	<input checked="" type="checkbox"/>	
LastUpdatedOn	datetime2(7)	<input type="checkbox"/>	
SecurityQuestion	nvarchar(MAX)	<input type="checkbox"/>	
SecurityAnswer	nvarchar(MAX)	<input type="checkbox"/>	

```
Update  Script File:  dbo.InstituteApplications.sql
1
2  CREATE TABLE [dbo].[InstituteApplications] (
3      [Id] INT IDENTITY (1, 1) NOT NULL,
4      [InstituteName] NVARCHAR (MAX) NOT NULL,
5      [State] NVARCHAR (MAX) NOT NULL,
6      [District] NVARCHAR (MAX) NOT NULL,
7      [InstituteCode] NVARCHAR (MAX) NOT NULL,
8      [DISECode] NVARCHAR (MAX) NOT NULL,
9      [PasswordHash] NVARCHAR (MAX) NOT NULL,
10     [Location] NVARCHAR (MAX) NOT NULL,
11     [InstituteType] NVARCHAR (MAX) NOT NULL,
12     [AffiliatedUniversityState] NVARCHAR (MAX) NOT NULL,
13     [UniversityBoardName] NVARCHAR (MAX) NOT NULL,
14     [YearAdmissionStarted] INT NOT NULL,
15     [Address] NVARCHAR (MAX) NOT NULL,
16     [PrincipalName] NVARCHAR (MAX) NOT NULL,
17     [MobileNumber] NVARCHAR (MAX) NOT NULL,
18     [Telephone] NVARCHAR (MAX) NULL,
19     [EstablishCertificatePath] NVARCHAR (MAX) NOT NULL,
20     [AffiliationCertificatePath] NVARCHAR (MAX) NOT NULL,
21     [DeclarationAccepted] BIT NOT NULL,
22     [Status] NVARCHAR (MAX) NOT NULL,
23     [SubmittedOn] DATETIME2 (7) NOT NULL,
24     [ApprovedOn] DATETIME2 (7) NULL,
25     [IsActiveLogin] BIT NOT NULL,
26     [AdminNotes] NVARCHAR (MAX) NULL,
27     [LastUpdatedOn] DATETIME2 (7) NOT NULL,
28     [SecurityQuestion] NVARCHAR (MAX) NOT NULL,
29     [SecurityAnswer] NVARCHAR (MAX) NOT NULL,
30     CONSTRAINT [PK_InstituteApplications] PRIMARY KEY CLUSTERED ([Id] ASC)
31 );
32
```

5. Student Applications

Stores details of scholarship applications submitted by students, including their application status and applied scholarship.

Update

Script File:

dbo.StudentApplications.sql

Name	Data Type	Allow Nulls	Default
Id	int	<input type="checkbox"/>	
Email	nvarchar(MAX)	<input type="checkbox"/>	
StudentName	nvarchar(MAX)	<input type="checkbox"/>	
DateSubmitted	datetime2(7)	<input checked="" type="checkbox"/>	
Status	nvarchar(MAX)	<input type="checkbox"/>	
SchemeName	nvarchar(MAX)	<input checked="" type="checkbox"/>	
Gender	nvarchar(MAX)	<input type="checkbox"/>	
DateOfBirth	datetime2(7)	<input checked="" type="checkbox"/>	
MobileNumber	nvarchar(MAX)	<input type="checkbox"/>	
AadharNumber	nvarchar(MAX)	<input type="checkbox"/>	
InstituteName	nvarchar(MAX)	<input checked="" type="checkbox"/>	
InstituteCode	nvarchar(MAX)	<input checked="" type="checkbox"/>	
PresentCourse	nvarchar(MAX)	<input checked="" type="checkbox"/>	
PresentCourseYear	nvarchar(MAX)	<input checked="" type="checkbox"/>	
UniversityOrBoardName	nvarchar(MAX)	<input checked="" type="checkbox"/>	
PreviousClassPercentage	nvarchar(MAX)	<input checked="" type="checkbox"/>	
X_RollNumber	nvarchar(MAX)	<input checked="" type="checkbox"/>	
X_BoardName	nvarchar(MAX)	<input checked="" type="checkbox"/>	
X_PassingYear	nvarchar(MAX)	<input checked="" type="checkbox"/>	

Keys (1)

PK_StudentApplications (Primary Key, Clustered: Id)

Check Constraints (0)

Indexes (0)

Foreign Keys (0)

Triggers (0)

Update

Script File:

dbo.StudentApplications.sql

Name	Data Type	Allow Nulls	Default
X_Percentage	nvarchar(MAX)	<input checked="" type="checkbox"/>	
XII_RollNumber	nvarchar(MAX)	<input checked="" type="checkbox"/>	
XII_BoardName	nvarchar(MAX)	<input checked="" type="checkbox"/>	
XII_PassingYear	nvarchar(MAX)	<input checked="" type="checkbox"/>	
XII_Percentage	nvarchar(MAX)	<input checked="" type="checkbox"/>	
AdmissionFee	decimal(18,2)	<input checked="" type="checkbox"/>	
TuitionFee	decimal(18,2)	<input checked="" type="checkbox"/>	
OtherFee	decimal(18,2)	<input checked="" type="checkbox"/>	
FatherName	nvarchar(MAX)	<input checked="" type="checkbox"/>	
MotherName	nvarchar(MAX)	<input checked="" type="checkbox"/>	
GuardianName	nvarchar(MAX)	<input checked="" type="checkbox"/>	
FamilyAnnualIncome	decimal(18,2)	<input checked="" type="checkbox"/>	
ParentsProfession	nvarchar(MAX)	<input checked="" type="checkbox"/>	
NoOfSiblings	int	<input checked="" type="checkbox"/>	
IsDisabled	bit	<input checked="" type="checkbox"/>	
DisabilityType	nvarchar(MAX)	<input checked="" type="checkbox"/>	
DisabilityPercent	nvarchar(MAX)	<input checked="" type="checkbox"/>	
MaritalStatus	nvarchar(MAX)	<input checked="" type="checkbox"/>	
BankName	nvarchar(MAX)	<input checked="" type="checkbox"/>	

Keys (1)

PK_StudentApplications (Primary Key, Clustered: Id)

Check Constraints (0)

Indexes (0)

Foreign Keys (0)

Triggers (0)

Update

Script File:

dbo.StudentApplications.sql

Name	Data Type	Allow Nulls	Default
IFSCCode	nvarchar(MAX)	<input checked="" type="checkbox"/>	
BankAccount	nvarchar(MAX)	<input checked="" type="checkbox"/>	
State	nvarchar(MAX)	<input checked="" type="checkbox"/>	
District	nvarchar(MAX)	<input checked="" type="checkbox"/>	
BlockOrTaluk	nvarchar(MAX)	<input checked="" type="checkbox"/>	
HouseNumber	nvarchar(MAX)	<input checked="" type="checkbox"/>	
StreetNumber	nvarchar(MAX)	<input checked="" type="checkbox"/>	
Pincode	nvarchar(MAX)	<input checked="" type="checkbox"/>	
PhotoPath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
InstituteIdCardPath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
CastelIncomeCertificatePath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
PreviousMarksheetPath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
FeeReceiptPath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
BankPassbookPath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
AadharPath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
XMarksheetPath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
XIIMarksheetPath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
BonafideCertificatePath	nvarchar(MAX)	<input checked="" type="checkbox"/>	
AdminNotes	nvarchar(MAX)	<input checked="" type="checkbox"/>	

Keys (1)

PK_StudentApplications (Primary Key, Clustered: Id)

Check Constraints (0)

Indexes (0)

Foreign Keys (0)

Triggers (0)

ApprovedOn	datetime2(7)	<input checked="" type="checkbox"/>		
LastUpdatedOn	datetime2(7)	<input checked="" type="checkbox"/>		
Schemeld	int	<input checked="" type="checkbox"/>		
ScholarshipId	int	<input type="checkbox"/>		
Scholarship	nvarchar(MAX)	<input type="checkbox"/>		
Course	nvarchar(MAX)	<input type="checkbox"/>		
		<input type="checkbox"/>		

Update

Script File: dbo.StudentApplications.sql

```

1 CREATE TABLE [dbo].[StudentApplications] (
2     [Id] INT IDENTITY (1, 1) NOT NULL,
3     [Email] NVARCHAR (MAX) NOT NULL,
4     [StudentName] NVARCHAR (MAX) NOT NULL,
5     [DateSubmitted] DATETIME2 (7) NULL,
6     [Status] NVARCHAR (MAX) NOT NULL,
7     [SchemeName] NVARCHAR (MAX) NULL,
8     [Gender] NVARCHAR (MAX) NOT NULL,
9     [DateOfBirth] DATETIME2 (7) NULL,
10    [MobileNumber] NVARCHAR (MAX) NOT NULL,
11    [AadharNumber] NVARCHAR (MAX) NOT NULL,
12    [InstituteName] NVARCHAR (MAX) NULL,
13    [InstituteCode] NVARCHAR (MAX) NULL,
14    [PresentCourse] NVARCHAR (MAX) NULL,
15    [PresentCourseYear] NVARCHAR (MAX) NULL,
16    [UniversityOrBoardName] NVARCHAR (MAX) NULL,
17    [PreviousClassPercentage] NVARCHAR (MAX) NULL,
18    [X_RollNumber] NVARCHAR (MAX) NULL,
19    [X_BoardName] NVARCHAR (MAX) NULL,
20    [X_PassingYear] NVARCHAR (MAX) NULL,
21    [X_Percentage] NVARCHAR (MAX) NULL,
22    [XII_RollNumber] NVARCHAR (MAX) NULL,
23    [XII_BoardName] NVARCHAR (MAX) NULL,
24    [XII_PassingYear] NVARCHAR (MAX) NULL,
25    [XII_Percentage] NVARCHAR (MAX) NULL,
26    [AdmissionFee] DECIMAL (18, 2) NULL,
27    [TuitionFee] DECIMAL (18, 2) NULL,
28    [OtherFee] DECIMAL (18, 2) NULL,
29    [FatherName] NVARCHAR (MAX) NULL,
30    [MotherName] NVARCHAR (MAX) NULL,
31    [GuardianName] NVARCHAR (MAX) NULL,
32    [FamilyAnnualIncome] DECIMAL (18, 2) NULL,
33    [ParentsProfession] NVARCHAR (MAX) NULL,
34    [NoOfSiblings] INT NULL,
35    [IsDisabled] BIT NULL,
36    [DisabilityType] NVARCHAR (MAX) NULL,
37    [DisabilityPercent] NVARCHAR (MAX) NULL,
38    [MaritalStatus] NVARCHAR (MAX) NULL,

```

Update

Script File: dbo.StudentApplications.sql

```

39    [BankName] NVARCHAR (MAX) NULL,
40    [IFSCCode] NVARCHAR (MAX) NULL,
41    [BankAccount] NVARCHAR (MAX) NULL,
42    [State] NVARCHAR (MAX) NULL,
43    [District] NVARCHAR (MAX) NULL,
44    [BlockOrTaluk] NVARCHAR (MAX) NULL,
45    [HouseNumber] NVARCHAR (MAX) NULL,
46    [StreetNumber] NVARCHAR (MAX) NULL,
47    [Pincode] NVARCHAR (MAX) NULL,
48    [PhotoPath] NVARCHAR (MAX) NULL,
49    [InstituteIdCardPath] NVARCHAR (MAX) NULL,
50    [CasteIncomeCertificatePath] NVARCHAR (MAX) NULL,
51    [PreviousMarksheetPath] NVARCHAR (MAX) NULL,
52    [FeeReceiptPath] NVARCHAR (MAX) NULL,
53    [BankPassbookPath] NVARCHAR (MAX) NULL,
54    [AadharPath] NVARCHAR (MAX) NULL,
55    [XMarksheetPath] NVARCHAR (MAX) NULL,
56    [XIIMarksheetPath] NVARCHAR (MAX) NULL,
57    [BonafideCertificatePath] NVARCHAR (MAX) NULL,
58    [AdminNotes] NVARCHAR (MAX) NULL,
59    [ApprovedOn] DATETIME2 (7) NULL,
60    [LastUpdatedOn] DATETIME2 (7) NULL,
61    [SchemeId] INT NULL,
62    [ScholarshipId] INT NOT NULL,
63    [Scholarship] NVARCHAR (MAX) NOT NULL,
64    [Course] NVARCHAR (MAX) NOT NULL,
65    CONSTRAINT [PK_StudentApplications] PRIMARY KEY CLUSTERED ([Id] ASC)
66 );
67
68

```

6.Scholarship Scheme

This table contains information about all available scholarships including eligibility and amount ,etc.

The screenshot displays the SQL Server Enterprise Designer interface for a table named 'ScholarshipSchemes' in the 'dbo' schema. The 'Script File' is 'dbo.ScholarshipSchemes.sql'. The interface is split into two main panes: 'Design' and 'T-SQL'.

Design View:

	Name	Data Type	Allow Nulls	Default
PK	Id	int	<input type="checkbox"/>	
	Name	nvarchar(MAX)	<input type="checkbox"/>	
	Description	nvarchar(MAX)	<input type="checkbox"/>	
	Amount	decimal(18,2)	<input type="checkbox"/>	
	EligibilityCriteria	nvarchar(MAX)	<input type="checkbox"/>	
	ApplicationDeadline	datetime2(7)	<input type="checkbox"/>	
	RequiredDocuments	nvarchar(MAX)	<input type="checkbox"/>	
	CreatedBy	nvarchar(MAX)	<input type="checkbox"/>	
	CreatedOn	datetime2(7)	<input type="checkbox"/>	
	LastModifiedBy	nvarchar(MAX)	<input checked="" type="checkbox"/>	
	LastModifiedOn	datetime2(7)	<input checked="" type="checkbox"/>	

T-SQL View:

```
1 CREATE TABLE [dbo].[ScholarshipSchemes] (  
2     [Id] INT IDENTITY (1, 1) NOT NULL,  
3     [Name] NVARCHAR (MAX) NOT NULL,  
4     [Description] NVARCHAR (MAX) NOT NULL,  
5     [Amount] DECIMAL (18, 2) NOT NULL,  
6     [EligibilityCriteria] NVARCHAR (MAX) NOT NULL,  
7     [ApplicationDeadline] DATETIME2 (7) NOT NULL,  
8     [RequiredDocuments] NVARCHAR (MAX) NOT NULL,  
9     [CreatedBy] NVARCHAR (MAX) NOT NULL,  
10    [CreatedOn] DATETIME2 (7) NOT NULL,  
11    [LastModifiedBy] NVARCHAR (MAX) NULL,  
12    [LastModifiedOn] DATETIME2 (7) NULL,  
13    CONSTRAINT [PK_ScholarshipSchemes] PRIMARY KEY CLUSTERED ([Id] ASC)
```

At the bottom, the status bar shows '93 %' completion, 'No issues found', and 'Connection Ready'.