**CREATE**

CREATE TABLE [dbo].[User](

[uID] [nvarchar](20) NOT NULL,

[user\_name] [nvarchar](20) NOT NULL,

[role] [nvarchar](10),

[admin] [bit] NOT NULL,

[active] [bit] NOT NULL

);

CREATE TABLE [dbo].[Image](

[iID] [nvarchar](20) NOT NULL,

[uID] [nvarchar](20) NOT NULL,

[image\_name] [nvarchar](20) NOT NULL,

[size] [int] NOT NULL,

[uploaded\_date] [datetime] NOT NULL,

[type] [nvarchar](10) NOT NULL,

[trashed] [bit] NOT NULL,

[trashed\_date] [datetime],

[submitted] [bit] NOT NULL,

);

CREATE TABLE [dbo].[Log](

[lID] [nvarchar](20) NOT NULL,

[uID] [nvarchar](20) NOT NULL,

[created\_date] [datetime] NOT NULL,

[log] [nvarchar](1000) NOT NULL

);

CREATE TABLE [dbo].[Tag](

[tag\_name] [nvarchar](20) NOT NULL,

[description] [nvarchar](100) NOT NULL,

[active] [bit] NOT NULL

);

CREATE TABLE [dbo].[Tag\_link](

[tlinkID] [Int] NOT NULL,

[tag\_name] [nvarchar](20) NOT NULL,

[iID] [nvarchar](20) NOT NULL

);

CREATE TABLE [dbo].[Project](

[project\_name] [nvarchar](20) NOT NULL,

[created\_date] [datetime] NOT NULL,

[description] [nvarchar](100) NOT NULL

);

CREATE TABLE [dbo].[Project\_link](

[plinkID] [Int] NOT NULL,

[project\_name] [nvarchar](20) NOT NULL,

[iID] [nvarchar](20) NOT NULL

);

**ALTER**

ALTER TABLE [dbo].[User] WITH CHECK ADD

CONSTRAINT [PK\_User] PRIMARY KEY CLUSTERED

(

[uID]

) ;

ALTER TABLE [dbo].[Image] WITH CHECK ADD

CONSTRAINT [PK\_Image] PRIMARY KEY CLUSTERED

(

[iID]

) ;

ALTER TABLE [dbo].[Log] WITH CHECK ADD

CONSTRAINT [PK\_Log] PRIMARY KEY CLUSTERED

(

[lID]

) ;

ALTER TABLE [dbo].[Tag] WITH CHECK ADD

CONSTRAINT [PK\_Tag] PRIMARY KEY CLUSTERED

(

[tag\_name]

) ;

ALTER TABLE [dbo].[Tag\_link] WITH CHECK ADD

CONSTRAINT [PK\_Tag\_link] PRIMARY KEY CLUSTERED

(

[tlinkID]

) ;

ALTER TABLE [dbo].[Project] WITH CHECK ADD

CONSTRAINT [PK\_Project] PRIMARY KEY CLUSTERED

(

[project\_name]

) ;

ALTER TABLE [dbo].[Project\_link] WITH CHECK ADD

CONSTRAINT [PK\_Project\_link] PRIMARY KEY CLUSTERED

(

[plinkID]

) ;

ALTER TABLE [dbo].[Image] WITH CHECK ADD

CONSTRAINT [FK\_Image] FOREIGN KEY

(

[uID]

) REFERENCES [dbo].[User] ([uID]);

ALTER TABLE [dbo].[Log] WITH CHECK ADD

CONSTRAINT [FK\_Log] FOREIGN KEY

(

[uID]

) REFERENCES [dbo].[User] ([uID]);

ALTER TABLE [dbo].[Tag\_link] WITH CHECK ADD

CONSTRAINT [FK\_Tag\_link1] FOREIGN KEY

(

[tag\_name]

) REFERENCES [dbo].[Tag] ([tag\_name]) ON DELETE CASCADE;

ALTER TABLE [dbo].[Tag\_link] WITH CHECK ADD

CONSTRAINT [FK\_Tag\_link2] FOREIGN KEY

(

[iID]

) REFERENCES [dbo].[Image] ([iID]) ON DELETE CASCADE;

ALTER TABLE [dbo].[Project\_link] WITH CHECK ADD

CONSTRAINT [FK\_Project\_link1] FOREIGN KEY

(

[project\_name]

) REFERENCES [dbo].[Project] ([project\_name]) ON DELETE CASCADE;

ALTER TABLE [dbo].[Project\_link] WITH CHECK ADD

CONSTRAINT [FK\_Project\_link2] FOREIGN KEY

(

[iID]

) REFERENCES [dbo].[Image] ([iID]) ON DELETE CASCADE;

**DROP**

IF EXISTS (SELECT [name] FROM [master].[sys].[databases] WHERE [name] = N'$(DatabaseName)')

DROP DATABASE $(DatabaseName);

**INDEX**

**User wants user data of active users.**

CREATE NONCLUSTERED INDEX [IX\_User\_active] ON [dbo].[User]([active]);

**User wants log data in specific created\_date.**

CREATE NONCLUSTERED INDEX [IX\_Log\_created\_date] ON [dbo].[Log]([created\_date]);

**User wants log data of specific user\_id.**

CREATE NONCLUSTERED INDEX [IX\_Log\_user\_id] ON [dbo].[Log]([uID]);

**User wants to find the project\_name of a specific image\_id.**

CREATE NONCLUSTERED INDEX [IX\_Project\_link\_iID\_project\_name] ON [dbo].[Project\_link]([iID],[project\_name]);

**User wants to find the tag\_name of a specific image\_id.**

CREATE NONCLUSTERED INDEX [IX\_Tag\_link\_iID\_tag\_name] ON [dbo].[Tag\_link]([iID],[tag\_name]);

**User wants to see trashed files by sorted with user\_id, trashed\_date.**

CREATE NONCLUSTERED INDEX [IX\_Image\_trashed\_uID\_trashed\_date] ON [dbo].[Image]([trashed],[uID],[trashed\_date]);

**User wants to see own files on the own palette which are not trashed and not submitted.**

CREATE NONCLUSTERED INDEX [IX\_Image\_uID\_trashed\_submitted] ON [dbo].[Image]([uID],[trashed],[submitted]);

**VIEW**

CREATE VIEW [dbo].[Dashboard1]

AS

SELECT

(SELECT COUNT(\*) FROM [dbo].[Image]) as Items,

(SELECT COUNT(\*) FROM [dbo].[User]) as Users,

(SELECT COUNT(\*) FROM [dbo].[Image] WHERE trashed = 1) as Trash,

(SELECT COUNT(\*) FROM [dbo].[Project]) as Libraries

for meta data are you more concerned on the whole btac

select \* from users where user\_id=(?)