Relation Schemas

1) User(<u>UId</u>:NVARCHAR(128), UserName:NVARCHAR(128) , Role:NVARCHAR(10), Active: BIT)
   Primary Key: UId
   UserName, Active is NOT NULL

2) Image(<u>IId</u>:NVARCHAR(128) , **UId**:NVARCHAR(128) ,ImageName:NVARCHAR(128), Size:INT,
   UploadedDate:DATETIME, Type:NVARCHAR(10), TrashedDate:DATETIME, Trashed:BIT,
   Submitted:BIT,UploadedBy:NVARCHAR(128))
   Primary Key: IId
   Foreign Key: UId references User
          ON DELETE NO ACTION
          ON UPDATE CASCADE
   UId, ImageName,Size,UploadedDate,Type,Trashed,Submitted,UploadedBy is NOT NULL

3) Log(<u>LId</u>:NVARCHAR(128),**UId**:NVARCHAR(128),CreatedDate:DATETIME,LogFile:NVARCHAR(1000))
   Primary Key: LId
   Foreign Key: UId references User
          ON DELETE NO ACTION
          ON UPDATE CASCADE
   UId, CreatedDate, LogFile is NOT NULL

4) LogLink(<u>LLinkId</u>:IDENTITY(1,1),**LId**:NVARCHAR(128),**IId**:NVARCHAR(128))
   Primary Key: LLinkId
   Foreign Key: LId references Log
          ON DELETE CASCADE
          ON UPDATE CASCADE
          IId references Image
          ON DELETE CASCADE
          ON UPDATE CASCADE

5) Tag(<u>TagName</u>:NVARCHAR(128),description:NVARCHAR(1000),Active: BIT)
   Primary Key: TagName

6) TagLink(<u>TLinkId</u>:IDENTITY(1,1), **TagName**:NVARCHAR(128),**IId**:NVARCHAR(128))
   Primary Key: TLinkId
   Foreign Key: TagName references Tag
          ON DELETE CASCADE
          ON UPDATE CASCADE
          IId references Image
          ON DELETE CASCADE
          ON UPDATE CASCADE

7) Project(<u>ProjectName</u>:NVARCHAR(128),CreatedDate:DATETIME,Description:NVARCHAR(1000),Active:Bit)
   Primary Key: project_name
   created_date is NOT NULL

8) ProjectLink(<u>PLinkId</u>:IDENTITY(1,1),**ProjectName:**NVARCHAR(128),**IId:**NVARCHAR(128))
   Primary Key: PLinkId
   Foreign Key: ProjectName references Project
               ON DELETE CASCADE
               ON UPDATE CASCADE
               IId references Image
               ON DELETE CASCADE
               ON UPDATE CASCADE

9) Metadata(<u>Metaname</u>:IDENTITY(1,1),Active:BIT,Mandatory:BIT)
   Primary Key: Metaname