

Entity-Relationship Table Structure

Department Table			
Attribute	Programming Data Type	Database Data Type	Description
Code	string	varchar(2)	Primary Key
Name	string	varchar(255)	

User Table			
Attribute	Programming Data Type	Database Data Type	Description
ID	int	int(10)	Primary
DepCode	string	varchar(2)	Foreign Key from Department Table's "Code"
Username	string	varchar(255)	
Password	string	varchar(255)	
UserType	int	tinyint(1)	
Nickname	string	varchar(255)	

Module Table			
Attribute	Programming Data Type	Database Data Type	Description
Code	string	varchar(20)	Primary Key
DepCode	string	varchar(2)	Foreign Key from Department Table's "Code"
Title	string	varchar(255)	
Short-Fat	bool	tinyint(1)	

Building Table			
Attribute	Programming Data Type	Database Data Type	Description
Code	string	varchar(2)	Primary Key
MainDepCode	string	varchar(2)	Foreign Key from Department Table "Code"
Name	string	varchar(255)	
Park	int	tinyint(1)	

Rooms Table			
Attribute	Programming Data Type	Database Data Type	Description
Code	string	varchar(10)	Primary Key
BuildingCode	string	varchar(2)	Foreign Key from Building Table "Code"
RoomType	int	tinyint(1)	
Capacity	Int	smallint(3)	
Computers	bool	tinyint(1)	
DataProjector	bool	tinyint(1)	
OHP	bool	tinyint(1)	
WhiteBoard	bool	tinyint(1)	
MultiWhiteBoard	bool	tinyint(1)	
InductionLoop	bool	tinyint(1)	
DisabledAccess	bool	tinyint(1)	
Microphone	bool	tinyint(1)	

Request Table			
Attribute	Programming Data Type	Database Data Type	Description
ID	int	int(10)	Primary Key
ModuleCode	string	varchar(20)	Foreign Key from Module Table “Code”
Priority	bool	tinyint(1)	
Day	int	tinyint(1)	
Period	int	tinyint(1)	
Length	int	tinyint(1)	
Weeks	string	varchar(15)	
NumberOfStudent	int	smallint(3)	
NumberOfRooms	int	tinyint(1)	
Park Preference	int	tinyint(1)	
Traditional	bool	tinyint(1)	
SessionType	int	tinyint(1)	
Computers	bool	tinyint(1)	
DataProjector	bool	tinyint(1)	
OHP	bool	tinyint(1)	
WhiteBoard	bool	tinyint(1)	
MultiWhiteBoard	bool	tinyint(1)	
InductionLoop	bool	tinyint(1)	
DisabledAccess	bool	tinyint(1)	
Microphone	bool	tinyint(1)	
OtherRequirements	string	text	
RequestRound	int	tinyint(1)	
Sent	bool	tinyint(1)	

RoomRequest Table			
Attribute	Programming Data Type	Database Data Type	Description
ID	int	int(11)	Primary Key
RequestID	int	int(10)	Foreign Key from Request Table's "ID"
RoomCode	string	varchar(10)	Foreign Key from Room Table's "Code"

RequestResult Table			
Attribute	Programming Data Type	Database Data Type	Description
RequestID	int	int(10)	Primary Key - Foreign Key from Request Table's "ID"
Status	int	tinyint(1)	
Suggestion	string	text	