Chuẩn hóa thuộc tính và xác định Primary Key, Foreign Key, Attributes của các TABLES

1. TABLE STUDENTS

Attributes	Data Type	Requires	Key
StudentID	varchar(10)	Not Null	Primary Key
FName	nvarchar(50)	Null	
LName	nvarchar(50)	Null	
Gender	bit	Null	
Email	varchar(50)	Null	
DoB	date	Null	
Address	nvarchar(50)	Null	

2. TABLE GROUP

Attributes	Data Type	Requires	Key
GroupID	varchar(10)	Not Null	Primary Key
GroupName	varchar(50)	Null	
Major	varchar(50)	Null	

3. TABLE SEMESTER

Attributes	Data Type	Requires	Key

SesID	varchar(10)	Not Null	Primary Key
SesName	varchar(50)	Null	
StartDate	date	Null	
EndDate	date	Null	

4. TABLE WEIGHT

Attributes	Data Type	Requires	Key
WeightID	varchar(50)	Not Null	Primary Key
weightName	nvarchar(MAX)	Null	
weight_details	float	Null	

5. TABLE SUBJECT

Attributes	Data Type	Requires	Key
SubID	varchar(10)	Not Null	Primary Key
SubName	nvarchar(50)	Null	
Sub_Status	varchar(50)	Null	
InstructID	varchar(50)	Null	Foreign Key

6. TABLE INSTRUCT

Attributes	Data Type	Requires	Key
InstructID	varchar(50)	Not Null	Primary Key
Know_Skill	nvarchar(MAX)	Null	
Grading_Guide	nvarchar(MAX)	Null	
Note	nvarchar(MAX)	Null	
CategoryID	varchar(50)	Null	Foreign Key

7. TABLE CATEGORY

Attributes	Data Type	Requires	Key
CategoryID	varchar(50)	Not Null	Primary Key
CategoryName	nvarchar(50)	Null	
Type	varchar(50)	Null	
Completion Criteria	varchar(50)	Null	

8. TABLE ASSESSMENT

Attributes	Data Type	Requires	Key
AssID	varchar(50)	Not Null	Primary Key
Duration	varchar(50)	Null	
No Question	int	Null	

Attributes	Data Type	Requires	Key
Weight	float	Null	
Part	int	Null	
CLO	nvarchar(MAX)	Null	
CategoryID	varchar(50)	Null	Foreign Key

9. TABLE JOIN

Attributes	Data Type	Requires	Key
StudentID	varchar(10)	Not Null	PK_FK
GroupID	varchar(10)	Not Null	PK_FK

10. TABLE SHOW

Attributes	Data Type	Requires	Key
StudentID	varchar(10)	Not Null	PK_FK
SesID	varchar(10)	Not Null	PK_FK
Average	float	Null	
Ranking	varchar(50)	Null	

11. TABLE GRADE

Attributes	Data Type	Requires	Key
StudentID	varchar(10)	Not Null	PK_FK

SubID	varchar(10)	Not Null	PK_FK
WeightID	varchar(50)	Not Null	PK_FK
Value	float	Null	
Status	nvarchar(MAX)	Null	
Date	date	null	

12. TABLE ACADEMIC

Attributes	Data Type	Requires	Key
SesID	varchar(10)	Not Null	Primary Key
SubID	varchar(10)	Not Null	Primary Key