

Database model documentation

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1. Model details

Model name:

University

Version:

2.3

Database engine:

Microsoft SQL Server

Description:

2. Tables

2.1. Table Students

2.1.1. Columns

Column name	Type	Properties	Description
StudentID	int	PK	
StudentName	varchar(250)		
Reward	int		
CoursesGrades	int		
GPA	float(5)		
Status	bit		
Level	int		
Major	varchar(250)		
Minor	varchar(250)		
AcademicYear	int		
UserInfo_UserID	int		
Doctors_DoctorID	int		
Create_at	timestamp		
Update_at	timestamp		

2.2. Table UserInfo

2.2.1. Columns

Column name	Type	Properties	Description
UserInfoID	int	PK	
Email	varchar(250)		
Password	varchar(250)		
Address	varchar(250)		
Phone	varchar(250)		
Image	varchar(250)		
Updated_at	timestamp		
Create_at	timestamp		
Update_at	timestamp		

2.3. Table Doctors

2.3.1. Columns

Column name	Type	Properties	Description
DoctorID	int	PK	
DoctorName	varchar(250)		
UserInfo_UserID	int		
Create_at	timestamp		
Update_at	timestamp		

2.4. Table RegisterCourses

2.4.1. Columns

Column name	Type	Properties	Description
RegisterCoursesID	int	PK	
Status	bit		
Create_at	timestamp		
Update_at	timestamp		
Faculty_FacultyID	int		
SummerCourses_SummerCoursesID	int		

2.5. Table medicalCenter

2.5.1. Columns

Column name	Type	Properties	Description
medicalCenterID	int	PK	
CareTypes	int		
Date	datetime		
Create_at	timestamp		
Update_at	timestamp		
Students_StudentID	int		

2.6. Table Faculty

2.6.1. Columns

Column name	Type	Properties	Description
FacultyID	int	PK	
FacultyName	varchar(250)		
ImportantLinks	varchar(250)		
Email	varchar(250)		
UndergraduateLevel	varchar(250)		
PostgraduateLevel	varchar(250)		
Specialprograms	varchar(250)		
Research_ResearchID	int		
Create_at	timestamp		
Update_at	timestamp		

2.7. Table Research

2.7.1. Columns

Column name	Type	Properties	Description
ResearchID	int	PK	
ResearchDirections	varchar(250)		
ListOfMSc	varchar(250)		
ListOfPhD	varchar(250)		
Conferences	varchar(250)		
Journal	varchar(250)		
ResearchEthics	varchar(250)		
IntellectualPropertyRightsGuide	varchar(250)		
Create_at	timestamp		
Update_at	timestamp		

2.8. Table StudentsServices

2.8.1. Columns

Column name	Type	Properties	Description
StudentsServicesID	int	PK	
AcademicAgenda	varchar(250)		
TimeTables	varchar(250)		
ExamTimeTables	varchar(250)		
UdergraduateStudentGuide	varchar(250)		
UndergraduateStatistics	varchar(250)		
FacultyOfficeHours	varchar(250)		
AcademicAdvising	varchar(250)		
Faculty_FacultyID	int		
Create_at	timestamp		
Update_at	timestamp		

2.9. Table PostGaduateServices

2.9.1. Columns

Column name	Type	Properties	Description
PostGaduateServicesID	int	PK	
Master	varchar(250)		
PhD	varchar(250)		
PhDQualificationExams	varchar(250)		
FacultyOfficeHours	varchar(250)		
Faculty_FacultyID	int		
Create_at	timestamp		
Update_at	timestamp		

2.10. Table Book

2.10.1. Columns

Column name	Type	Properties	Description
BookID	int	PK	
BookName	varchar(250)		
Category	varchar(250)		
Students_Student ID	int		
Create_at	timestamp		
Update_at	timestamp		

2.11. Table Courses

2.11.1. Columns

Column name	Type	Properties	Description
CourseID	int	PK	
CoursesName	varchar(250)		
CreateAt	timestamp		
UpdateAt	timestamp		
Students_Student ID	int		
Create_at	timestamp		
Update_at	timestamp		

2.12. Table Exams

2.12.1. Columns

Column name	Type	Properties	Description
ExamsID	int	PK	
ExamsName	varchar(250)		
ExamsLocation	varchar(250)		
ExamsDate	timestamp		
Students_Student ID	int		
Create_at	timestamp		

Update_at	timestamp		
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2.13. Table SummerCourses

2.13.1. Columns

Column name	Type	Properties	Description
SummerCoursesID	int	PK	
SummerCoursesName	varchar(250)		
Students_StudentID	int		
Create_at	timestamp		
Update_at	timestamp		

2.14. Table Rewards

2.14.1. Columns

Column name	Type	Properties	Description
RewardsID	int	PK	
Money	int		
IBAN	int		
RewardsDate	datetime		
Students_StudentID	int		
Create_at	timestamp		
Update_at	timestamp		

2.15. Table StudentsBooks

2.15.1. Columns

Column name	Type	Properties	Description
StudentsBookID	int	PK	
Status	bit		
Students_StudentID	int		
Book_BookID	int		
Take_Date	datetime		

return_Date	datetime		
Create_at	timestamp		
Update_at	timestamp		

3. References

3.1. Reference Students_UserInfo

UserInfo	0..*	Students
UserInfoID	<->	UserInfo_UserID

3.2. Reference Doctors_UserInfo

UserInfo	0..*	Doctors
UserInfoID	<->	UserInfo_UserID

3.3. Reference Students_Doctors

Doctors	1..*	Students
DoctorID	<->	Doctors_DoctorID

3.4. Reference StudentsServices_Faculty

Faculty	0..*	StudentsServices
FacultyID	<->	Faculty_FacultyID

3.5. Reference medicalCenter_Students

Students	0..*	medicalCenter
StudentID	<->	Students_StudentID

3.6. Reference Faculty_Research

Research	0..*	Faculty
ResearchID	<->	Research_ResearchID

3.7. Reference PostGaduateServices_Faculty

Faculty	0..*	PostGaduateServices
FacultyID	<->	Faculty_FacultyID

3.8. Reference Book_Students

Students	0..*	Book
StudentID	<->	Students_StudentID

3.9. Reference Exams_Students

Students	0..*	Exams
StudentID	<->	Students_StudentID

3.10. Reference SummerCourses_Students

Students	0..*	SummerCourses
StudentID	<->	Students_StudentID

3.11. Reference Courses_Students

Students	0..*	Courses
StudentID	<->	Students_StudentID

3.12. Reference Rewards_Students

Students	0..*	Rewards
StudentID	<->	Students_StudentID

3.13. Reference StudentsBooks_Students

Students	0..*	StudentsBooks
StudentID	<->	Students_StudentID

3.14. Reference StudentsBooks_Book

Book	0..*	StudentsBooks
BookID	<->	Book_BookID

3.15. Reference RegisterCourses_Faculty

Faculty	0..*	RegisterCourses
FacultyID	<->	Faculty_FacultyID

3.16. Reference RegisterCourses_SummerCourses

SummerCourses	0..*	RegisterCourses
SummerCoursesID	<->	SummerCourses_SummerCoursesID

4. Areas

4.1. University subject area

4.1.1. Tables

- Students
- UserInfo
- RegisterCourses
- medicalCenter
- Faculty
- Research
- StudentsServices
- PostGaduateServices
- Book
- Courses
- Exams
- SummerCourses
- Rewards
- StudentsBooks

4.1.2. References

- Students_UserInfo
- Doctors_UserInfo
- Students_Doctors
- StudentsServices_Faculty
- medicalCenter_Students
- Faculty_Research
- PostGaduateServices_Faculty
- Book_Students
- Exams_Students
- SummerCourses_Students
- Courses_Students
- Rewards_Students
- StudentsBooks_Students
- StudentsBooks_Book
- RegisterCourses_Faculty
- RegisterCourses_SummerCourses