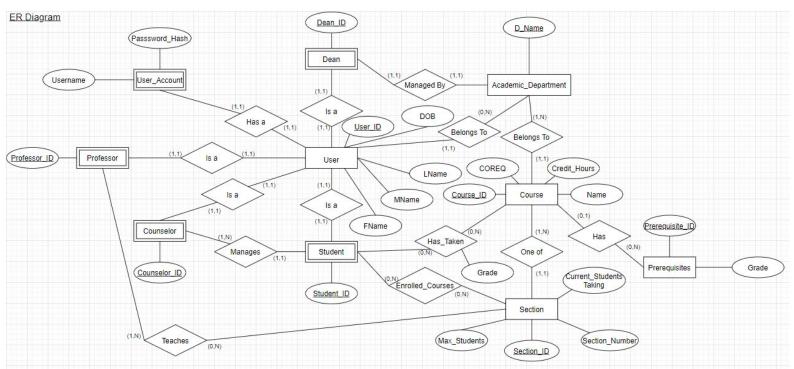
# Course Registration System

By:Antonio Ramaj, Rakin Hasan, Patrick Drury, Nasif Mahmood, Roberto Jimenez

### **ER** Diagram



### **Tables**

	D_Name	Dean_ID
•	CS	7
	SOM	8
	BBS	9
	A&H	10
	IS	11
	NSM	12
	NULL	NULL

Ke	esuit Gria
	Admin_ID
•	19
	NULL

	1 1000
	Counselor_ID
•	44
	45
	46
	47
	48
	49
	NULL

	Professor_ID	
•	13	
	14	
	15	
	16	
	17	
	18	
	NULL	

	Dean_ID
•	7
	8
	9
	10
	11
	12
	NULL

	Course_ID	Name	Credit_Hours	D_Name	Corequisite_ID
•	AHST 1101	Introduction to Art History	3	A&H	MULL
	CS 3162	Professional Responsibility in Computer Science	1	CS	NULL
	CS 3345	Data Structures and Algorithms	3	CS	NULL
	CS 4347	Database Systems	3	CS	NULL
	CS 4361	Computer Graphics	3	CS	MATH 2418
	CS 4392	Computer Animation	3	CS	NULL
	ECS 4308	Technical Communications	3	CS	NULL
	GOVT 2107	Government and Politics	1	IS	NULL
	<b>GOVT 2306</b>	State Nameand Local Government	3	IS	NULL
	MATH 2417	Calculus 1	4	NSM	NULL
	MATH 2418	Linear Algebra	4	NSM	NULL
	MIS 6308	System Analysis and Project Management	3	SOM	NULL
	NSC 3344	Anatomy and Physiology of Speech and Hearing	3	BBS	NULL
	NULL	NULL	NULL	NULL	NULL

	Student_ID	Section_ID
•	39	1
	40	1
	41	1
	42	1
	NULL	NULL

	100		
	Student_ID	Course_ID	Grade
•	39	CS 3345	Α-
	40	GOVT 2107	D+
	41	AHST 1101	C-
	42	MIS 6308	В
	NULL	NULL	NULL

	Course_ID	REQUIRED_GRADE	Prerequisite_ID
•	CS 3162	C+	CS 3345
	CS 4392	D-	CS 4361
	GOVT 2306	D-	<b>GOVT 2107</b>
	MATH 2418	D-	MATH 2417
	NULL	NULL	NULL

## **Tables**

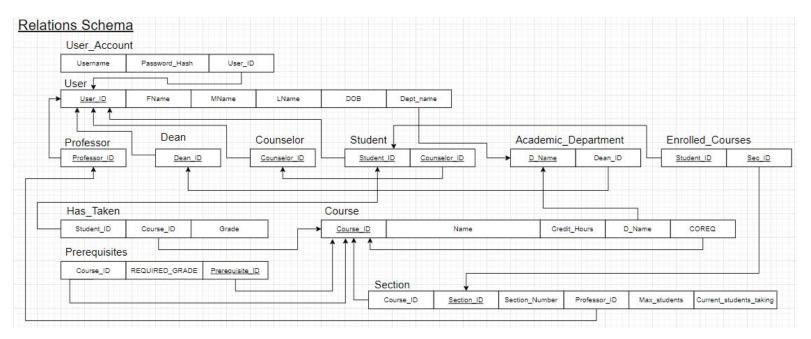
	Course_ID	Section_ID	Section_Number	Professor_ID	Max_students	Current_students_taking
•	AHST 1101	1	001	13	40	40
	MIS 6308	13	013	15	30	0
	NSC 3344	25	025	14	25	10
	CS 4361	55	055	16	50	2
	NULL	HULL	NULL	NULL	NULL	NULL

	Student_ID	Counselor_ID
•	39	44
	40	44
	38	45
	42	46
	43	46
	41	48
	NULL	NULL

	Username	Password_Hash	User_ID
•	Chimo	adsadgbfhdft53t	49
	David	SO32424324dasdasM	16
	Dennis	asdasd3243242	48
	Denton	Nee1123S32424M	18
	Diane	asdasd324324	45
	Janne	I32432432dsadS	17
	Jared	sasdasd34324ad	19
	Jay	asdasd324423432f	44
	Kilikina	asdasd324324	47
	Lanzo	B324342dsadasBS	15
	Priya	Asadsad&3242342dH	14
	Sherman	Casdasdasdsa342532S	13
	Suljo	asdsad21232413	46
	NULL	HULL	NULL

	User_ID	FName	MName	LName	DOB	Dept_Name
•	7	Paulius	Т	Jasmina	1958-01-29	CS
	8	Lucia	Р	Misa	1973-05-11	SOM
	9	Ofir	NULL	Pantaleon	1950-12-02	BBS
	10	Aleksandra	0	Gayatri	1972-02-12	A&H
	11	Rong	T	Odette	1964-07-05	IS
	12	Alex	D	Stacee	1970-09-12	NSM
	13	Sherman	NULL	Briar	1975-05-25	CS
	14	Priya	M	Celso	1962-08-16	A&H
	15	Lanzo	٧	Gwendal	1980-11-05	BBS
	16	David	Α	Olufunke	1968-09-30	SOM
	17	Janne	В	Zafar	1974-06-25	IS
	18	Denton	0	Anwar	1963-02-12	NSM
	19	Jared	Н	Hanes	1950-06-01	HULL
	38	Adrian	T	Marica	2000-08-28	CS
	39	Arete	D	Sundri	1995-12-22	A&H
	40	Corey	L	Gulrukh	1992-10-21	CS
	41	Alyosha	NULL	Benedicta	1980-01-23	SOM
	42	Hasib	Α	Hilarius	2002-07-23	IS
	43	Andrej	0	Clotho	1995-03-11	NSM
	44	Jay	R	Areih	1976-03-02	CS
	45	Diane	0	Jure	1965-05-12	SOM
	46	Suljo	I	Teboho	1945-12-23	BBS
	47	Kilikina	S	Kelly	1953-04-26	A&H
	48	Dennis	E	Ipati	1960-01-21	IS
	49	Chimo	NULL	Donndub	1976-06-04	NSM
	NULL	NULL	NULL	NULL	NULL	NULL

#### Relations

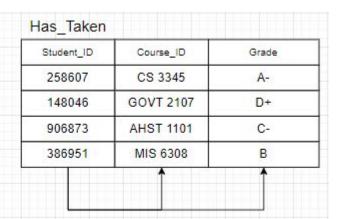


User_Account	nt	
Username	Password_Hash	User_ID
Briar_She02	d9f8s@HD0!\$cdf	195628
Priya_MCel00	02hr30H309hxF@H	581650
Lanzo_VGwe48	2MFJDS0!nf!\$%mf	937659
David_AOlu	*j123FH!@hjsSDF	703758
Jay_RAri	SD23fn0#!%mds	860546
Diane_OJur	62mFS34\$^Gk#\$	472650

User_ID	FName	MName	LName	DOB	Dept_name
195628	Sherman	NULL	Briar	1975-05-25	CS
581650	Priya	M	Celso	1962-08-16	A&H
937659	Lanzo	V	Gwendal	1980-11-05	BBS
703758	David	А	Olufunke	1968-09-30	SOM
058628	Janne	В	Zafar	1974-06-25	IS
759264	Denton	0	Anwar	1963-02-12	NSM
860546	Jay	R	Areih	1976-03-02	CS
472650	Diane	0	Jure	1965-05-12	SOM
217957	Suljo	1	Teboho	1945-12-23	BBS
268174	Kilikina	s	Kelly	1953-04-26	A&H
174796	Denis	E	Ipati	1960-01-21	IS
586903	Chimo	NULL	Donndubhan	1976-06-04	NSM
906873	Adrian	T	Marica	2000-08-28	CS
148046	Arete	D	Sundri	1995-12-22	A&H
258607	Corey	L	Gulrukh	1992-10-21	CS
386951	Alyosha	NULL	Benedicta	1980-01-23	SOM
586706	Hasib	A	Hilarius	2002-07-23	IS
476092	Andrej	0	Clotho	1995-03-11	NSM
582749	Paulius	Т	Jasmina	1958-01-29	CS
692749	Lucia	Р	Misa	1973-05-11	SOM
040586	Ofir	NULL	Pantaleon	1950-12-02	BBS
695738	Aleksandra	0	Gayatri	1972-02-12	A&H
599040	Rong	т	Odette	1964-07-05	IS
860030	Alex	D	Stacee	1970-09-12	NSM

Student ID	Counselor ID	Dean ID
906873	860546	582749
148046	268174	692749
258607	860546	040586
386951	472650	695738
586706	174796	599040
476092	586903	860030

D Name	Dean_ID
CS	582749
BBS	695738
A&H	692749
SOM	040586
IS	599040
NSM	860030



	Professor	_
	Professor ID	
	195628	
	581650	
	937659	
	703758	
	058628	
Ī	759264	

	Counselor	
	Counselor ID	
	860546	
	472650	1
	217957	
	268174	
	174796	
Γ	586903	

Enrolled_Cou	urses
Student ID	Sec ID
906873	13
258607	55
386951	1
148046	25

Course ID	Name	Credit_Hours	D_Name	COREQ
GOVT 2306	State and Local Government	3	IS	NULL
AHST 1101	Introduction to Art History	3	A&H	NULL
CS 4361	Computer Graphics	3	CS	CS 4347
CS 4347	Database Systems	3	cs	CS 4361
ECS 4308	Technical Communications	3	CS	NULL
MIS 6308	System Analysis and Project Management	3	SOM	NULL
NSC 3344	Anatomy and Physiology of Speech and Hearing	3	BBS	NULL
CS 4392	Computer Animation	3	cs	NULL
MATH 2418	Linear Algebra	4	NSM	NULL
MATH 2417	Calculus I	4	NSM	NULL
CS 3162	Professional Responsibility in Computer Science	1	CS	NULL
CS 3345	Computer Science Data Structures and Introduction to Algorithmic Analysis	3	cs	NULL
GOVT 2107	Government and Politics	1	IS	NULL

Section ID	Section_Number	Professor_ID	Max_students	Current_stud	ents_taking
1	001	581650	40	40	0
55	055	195628	50	2	
13	013	703758	30	0	
25	025	937659	25	10	)
rerequisite	s .				
rerequisite	c				
rerequisite	S REQUIRED_GRADE	Prerequisite II		ection2	Section ID
-		Prerequisite II			Section_ID
Course_ID	REQUIRED_GRADE		2	Course_ID	
Course_ID	REQUIRED_GRADE	CS 4361	2	Course_ID AHST 1101	1
CS 4392 MATH 2418	REQUIRED_GRADE D-	CS 4361 MATH 2417	7	Course_ID AHST 1101 CS 4361	1 55

#### Demo (Login Screen)



#### Demo (Student view of application)



