

Benjamin Nye

CS 4332

Dr. C. J. Hwang

15 Oct. 2021

Project 5

Greendale Community College is a community college located in Greendale County, Colorado. Greendale's IT department is discussing creating a database system in order to keep track of their computers, student records, and faculty records. Being that Greendale is a lower rate community college, they have lacked the budget but after recently acquiring an undisclosed sum of money they are interested in moving their records from Excel. Greendale would like to create 4 tables called ASSET, STUDENT, FACULTY, & DEPARTMENT to hold their computer information, student information, faculty information, and department information.

Here are how the records are stored and formatted in Greendale's Excel sheet. At Greendale, all computers are given a tag number (Formatted TAG#####) and assigned to a location and employee id (Format GF#####) when they are deployed. This information is stored in the ASSET sheet. All students at Greendale have a student id (Format GS#####), faculty advisor (GF#####), Major, classification (1st, 2nd...Year), and GPA. This information is stored in the STUDENT sheet. All faculty at Greendale are assigned an employee id (GF#####), a computer (TAG#####), and a department. This information is stored in the FACULTY sheet. Lastly, at Greendale, all Departments have a location associated with them and the information is stored in the DEPARTMENT sheet.

Attached are screenshots of Greendale's Excel database. They hope to create an E/R diagram and implement it to their database so that they may keep a better record of their information, making them a better community college so they can compete with their rivals City College.

Benjamin Nye

CS 4332

Dr. C. J. Hwang

15 Oct. 2021

	A	B	C	D	E	F	G
1	TAG	Employee	Location				
2	TAG11170	GF114971	Annex				
3	TAG11458	GF211154	B2				
4	TAG11745	GF313665	Gym				
5	TAG21254	GF326818	Gym				
6	TAG21345	GF459248	B2				
7	TAG22212	GF432414	B2				
8	TAG24524	GF425373	B2				
9	TAG28148	GF417499	B2				
10	TAG28492	GF448787	B2				
11	TAG31455	GF512912	B1				
12	TAG35683	GF612351	B1				
13	TAG40087	GF637826	B1				
14	TAG49358	GF626529	B1				
15	TAG51266	GF719635	B1				
16	TAG55538	GF854183	B1				
17	TAG56829	GF828741	B1				
18	TAG71359	GF811292	B1				
19	TAG82582	GF843566	B1				
20	TAG95289	GF831227	B1				
21	TAG99943	GF915132	B2				
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

ASSET

FACULTY

STUDENT

DEPARTMENT

+

Benjamin Nye

CS 4332

Dr. C. J. Hwang

15 Oct. 2021

	A	B	C	D	E	F	G
1	emp_id	Fname	Lname	Department	Computer		
2	GF211154	June	Bauer	Anthropology	TAG11458		
3	GF612351	Carl	Bladt	Managment	TAG35683		
4	GF313665	Herbert	Bognet	Athletics	TAG11745		
5	GF854183	Russell	Borchert	Science	TAG55538		
6	GF915132	Ben	Chang	Spanish	TAG99943		
7	GF326818	Jason	Chapman	Athletics	TAG21254		
8	GF637826	Richie	Countie	Managment	TAG40087		
9	GF828741	Ian	Duncan	Science	TAG56829		
10	GF459248	Sean	Garrity	Fine Arts	TAG21345		
11	GF811292	Buzz	Hickey	Science	TAG71359		
12	GF432414	Marion	Holly	Fine Arts	TAG22212		
13	GF843566	Marshall	Kane	Science	TAG82582		
14	GF114971	Robert	Layburn	AC	TAG11170		
15	GF425373	Madame	Leclair	Fine Arts	TAG24524		
16	GF626529	Craig	Pelton	Managment	TAG49358		
17	GF417499	Cory	Radison	Fine Arts	TAG28148		
18	GF448787	Peter	Sheffield	Fine Arts	TAG28492		
19	GF719635	Michelle	Slater	Math	TAG51266		
20	GF831227	Lee	Slaughter	Science	TAG95289		
21	GF512912	Jeff	Winger	Law	TAG31455		
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

ASSET

FACULTY

STUDENT

DEPARTMENT

+

Benjamin Nye

CS 4332

Dr. C. J. Hwang

15 Oct. 2021

	A	B	C	D	E	F	G
1	stu_id	Fname	Lname	Major	Class	GPA	fac_adv
2	GS71097	Jenny	Adams	History	1st Year	3.00	GF828741
3	GS41740	Buddy	Austin	Event Planning	3rd Year	3.75	GF811292
4	GS12035	Troy	Barnes	AC Repair	4th Year	3.75	GF114971
5	GS22914	Shirley	Bennett	Business	4th Year	3.50	GF512912
6	GS83510	Mark	Cahill	Pre-Med	2nd Year	3.75	GF828741
7	GS03563	Archie	DeCoste	Undecided	1st Year	2.50	GF811292
8	GS64388	Annie	Edison	Forensics	4th Year	4.00	GF512912
9	GS24103	Joseph	Elkins	Business	2nd Year	2.75	GF719635
10	GS05402	Linda	Greene	Undecided	3rd Year	3.25	GF417499
11	GS25802	Dan	Harmon	Business	1st Year	3.25	GF811292
12	GS06731	Pierce	Hawthorne	Undecided	10th Year	3.00	GF915132
13	GS86485	Annie	Kim	Pre-Med	2nd Year	4.00	GF828741
14	GS07970	Garrett	Lambert	Undecided	4th Year	4.00	GF417499
15	GS37821	Rachel	Larson	Engineering	4th Year	4.00	GF719635
16	GS08279	Kim	McFadden	Undecided	2nd Year	3.50	GF719635
17	GS08198	Vaughn	Miller	Undecided	3rd Year	3.00	GF417499
18	GS09657	Mark	Millot	Undecided	2nd Year	3.25	GF417499
19	GS59169	Abed	Nadir	Film	4th Year	3.25	GF459248
20	GS00226	Alex	Osbourne	Undecided	5th Year	2.50	GF915132
21	GS90644	Britta	Perry	Psychology	4th Year	2.75	GF512912
22	GS71356	Leonard	Rodriguez	History	35th Year	3.00	GF915132
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

ASSET

FACULTY

STUDENT

DEPARTMENT

+

Benjamin Nye

CS 4332

Dr. C. J. Hwang

15 Oct. 2021

	A	B	C	D	E	F	G
1	Department	Location					
2	AC	Annex					
3	Anthropology	B2					
4	Athletics	Gym					
5	Fine Arts	B2					
6	Law	B1					
7	Management	B1					
8	Math	B1					
9	Science	B1					
10	Spanish	B2					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

◀ ▶

ASSET

FACULTY

STUDENT

DEPARTMENT

+