

Benjamin Nye

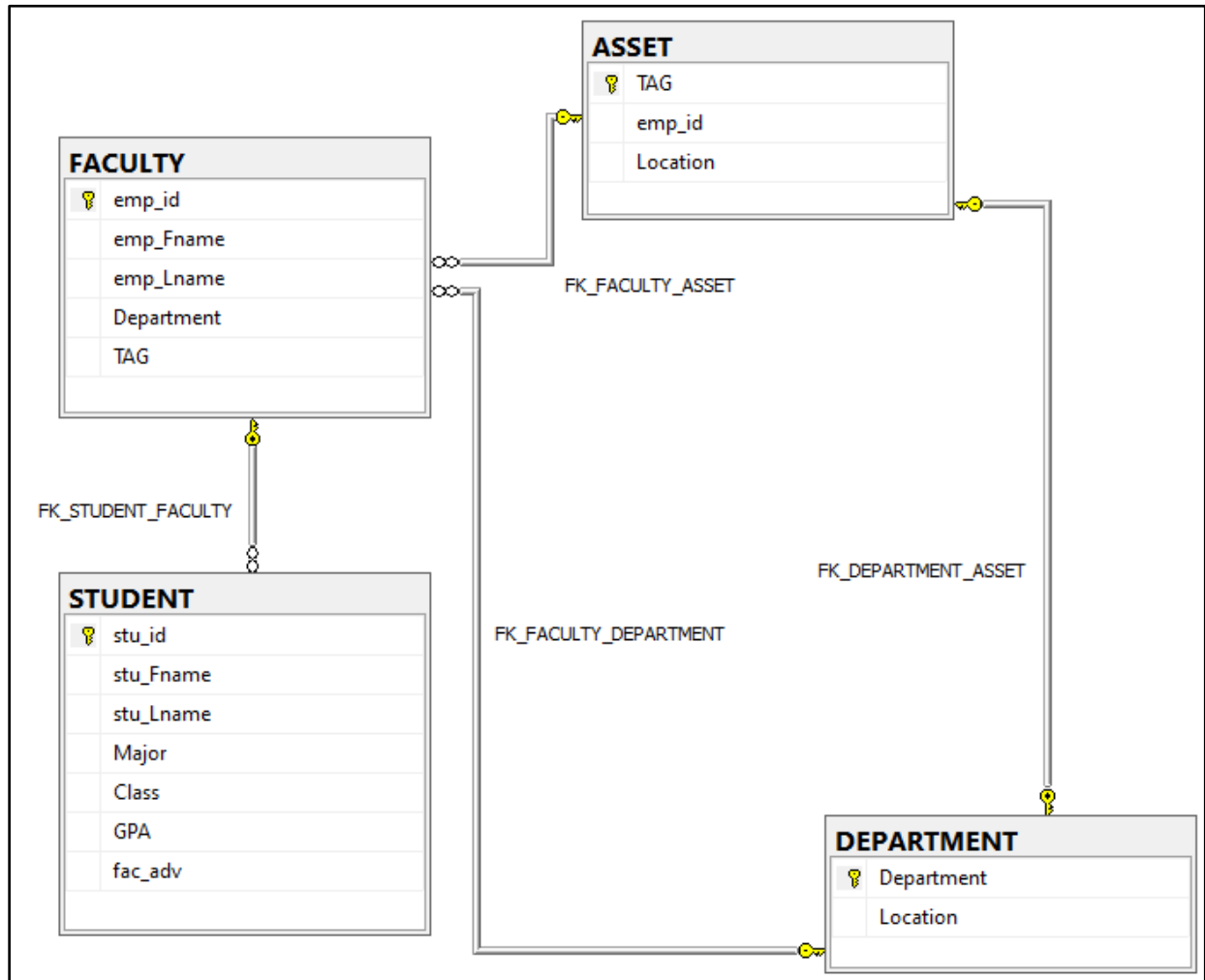
CS 4332

Dr. C. J. Hwang

30 Nov. 2021

## Project 9

### E/R Model:



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**English Database Queries:**

- 1) Select all the Student information from the STUDENT table where the student's GPA is greater than 3.40 to determine which students made the Dean's list.
- 2) Select all the Asset information from the ASSET table where the computer's location is in building B1.
- 3) Select all the Student information from the STUDENT table where the student's Major is NOT undecided.
- 4) Select all the Student information from the STUDENT table where the student's Major is Undecided, and Class is not 1<sup>st</sup> or 2<sup>nd</sup> year so that we can see who needs to choose a major.
- 5) Select all the Faculty information from the FACULTY table and sort the results by the Department.
- 6) Select the count of students that have the same faculty advisor in the STUDENT table
- 7) Select the count of departments in a location from the DEPARTMENT table where there is more than 1 department in a location.
- 8) Select the student id from the STUDENT table and the location from the DEPARTMENT table based on what the student's major is and display the information on one table.
- 9) Select the TAGs from the ASSET table that are in B2 and the employee id from the FACULTY table and display them in one table.

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- 10)** Select the employee ID from FACULTY table and the sum of students that they are advising in the STUDENT table and then group and sort the information by employee ID.

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### Results Produced from English Database Queries:

#### Query 1:

SQLQuery1.sql - BE...316\Benjamin (61))\* -p X

```
SELECT * FROM STUDENT WHERE GPA > 3.40;
```

100 %

Results Messages

	stu_id	stu_Fname	stu_Lname	Major	Class	GPA	fac_adv
1	GS41740	Buddy	Austin	Event Planning	3rd Year	3.75	GF811292
2	GS12035	Troy	Barnes	AC Repair	4th Year	3.75	GF114971
3	GS22914	Shirley	Bennett	Business	4th Year	3.50	GF512912
4	GS83510	Mark	Cahill	Pre-Med	2nd Year	3.75	GF828741
5	GS64388	Annie	Edison	Forensics	4th Year	4.00	GF512912
6	GS86485	Annie	Kim	Pre-Med	2nd Year	4.00	GF828741
7	GS07970	Garrett	Lambert	Undecided	4th Year	4.00	GF417499
8	GS37821	Rachel	Larson	Engineering	4th Year	4.00	GF719635
9	GS08279	Kim	McFadden	Undecided	2nd Year	3.50	GF719635

#### Query 2:

SQLQuery3.sql - BE...316\Benjamin (52))\* -p X

```
SELECT * FROM ASSET WHERE Location = 'B1'
```

100 %

Results Messages

	TAG	emp_id	Location
1	TAG31455	GF512912	B1
2	TAG35683	GF612351	B1
3	TAG40087	GF637826	B1
4	TAG49358	GF626529	B1
5	TAG51266	GF719635	B1
6	TAG55538	GF854183	B1
7	TAG56829	GF828741	B1
8	TAG71359	GF811292	B1
9	TAG82582	GF843566	B1
10	TAG95289	GF831227	B1

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### Query 3:

SQLQuery3.sql - BE...316\Benjamin (52))\* - X

```
SELECT * FROM STUDENT WHERE Major != 'Undecided'
```

100 %

Results Messages

	stu_id	stu_Fname	stu_Lname	Major	Class	GPA	fac_adv
1	GS71097	Jenny	Adams	History	1st Year	3.00	GF828741
2	GS41740	Buddy	Austin	Event Planning	3rd Year	3.75	GF811292
3	GS12035	Troy	Barnes	AC Repair	4th Year	3.75	GF114971
4	GS22914	Shirley	Bennett	Business	4th Year	3.50	GF512912
5	GS83510	Mark	Cahill	Pre-Med	2nd Year	3.75	GF828741
6	GS64388	Annie	Edison	Forensics	4th Year	4.00	GF512912
7	GS24103	Joseph	Elkins	Business	2nd Year	2.75	GF719635
8	GS25802	Dan	Hammon	Business	1st Year	3.25	GF811292
9	GS86485	Annie	Kim	Pre-Med	2nd Year	4.00	GF828741
10	GS37821	Rachel	Larson	Engineering	4th Year	4.00	GF719635
11	GS59169	Abed	Nadir	Film	4th Year	3.25	GF459248
12	GS90644	Britta	Perry	Psychology	4th Year	2.75	GF512912
13	GS71356	Leonard	Rodriguez	History	35th Year	3.00	GF915132

### Query 4:

SQLQuery3.sql - BE...316\Benjamin (52))\* - X

```
SELECT * FROM STUDENT  
WHERE Major = 'Undecided'  
AND Class != '1st Year' AND Class != '2nd Year'
```

100 %

Results Messages

	stu_id	stu_Fname	stu_Lname	Major	Class	GPA	fac_adv
1	GS05402	Linda	Greene	Undecided	3rd Year	3.25	GF417499
2	GS06731	Pierce	Hawthorne	Undecided	10th Year	3.00	GF915132
3	GS07970	Garrett	Lambert	Undecided	4th Year	4.00	GF417499
4	GS08198	Vaughn	Miller	Undecided	3rd Year	3.00	GF417499
5	GS00226	Alex	Osbourne	Undecided	5th Year	2.50	GF915132

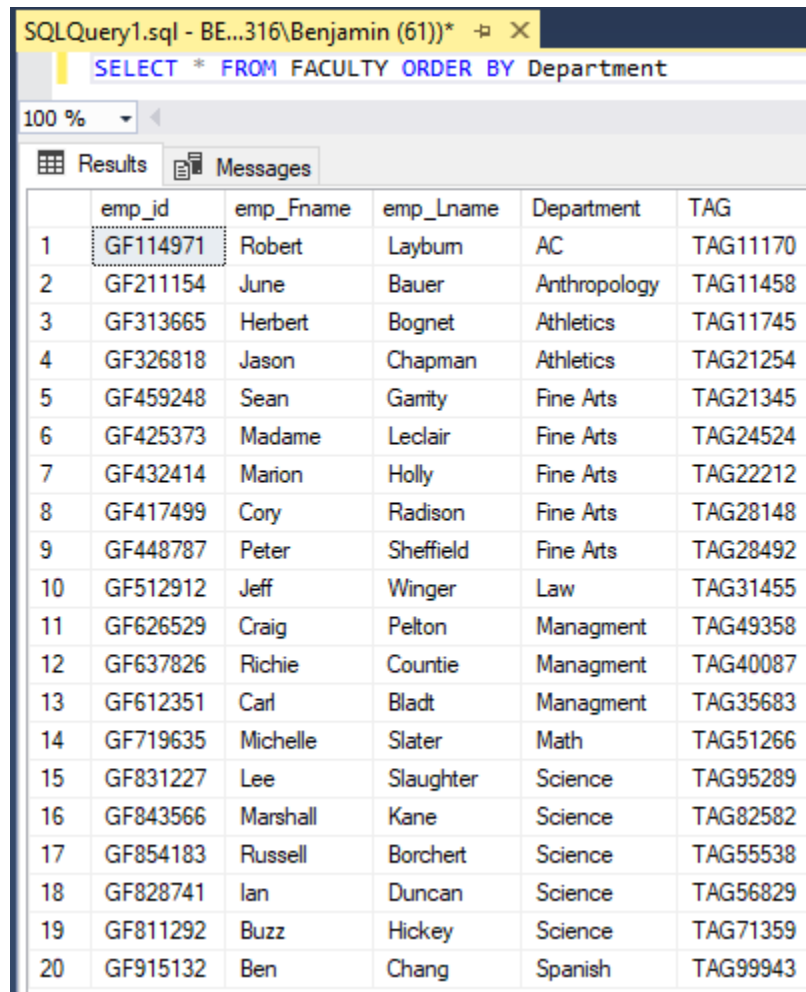
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### Query 5:



The screenshot shows a SQL query window titled "SQLQuery1.sql - BE...316\Benjamin (61))". The query is "SELECT \* FROM FACULTY ORDER BY Department". The results are displayed in a table with 6 columns: emp\_id, emp\_Fname, emp\_Lname, Department, and TAG. The results are ordered by Department, with 20 rows of data.

	emp_id	emp_Fname	emp_Lname	Department	TAG
1	GF114971	Robert	Layburn	AC	TAG11170
2	GF211154	June	Bauer	Anthropology	TAG11458
3	GF313665	Herbert	Bognet	Athletics	TAG11745
4	GF326818	Jason	Chapman	Athletics	TAG21254
5	GF459248	Sean	Garity	Fine Arts	TAG21345
6	GF425373	Madame	Leclair	Fine Arts	TAG24524
7	GF432414	Marion	Holly	Fine Arts	TAG22212
8	GF417499	Cory	Radison	Fine Arts	TAG28148
9	GF448787	Peter	Sheffield	Fine Arts	TAG28492
10	GF512912	Jeff	Winger	Law	TAG31455
11	GF626529	Craig	Pelton	Managment	TAG49358
12	GF637826	Richie	Countie	Managment	TAG40087
13	GF612351	Carl	Bladt	Managment	TAG35683
14	GF719635	Michelle	Slater	Math	TAG51266
15	GF831227	Lee	Slaughter	Science	TAG95289
16	GF843566	Marshall	Kane	Science	TAG82582
17	GF854183	Russell	Borchert	Science	TAG55538
18	GF828741	Ian	Duncan	Science	TAG56829
19	GF811292	Buzz	Hickey	Science	TAG71359
20	GF915132	Ben	Chang	Spanish	TAG99943

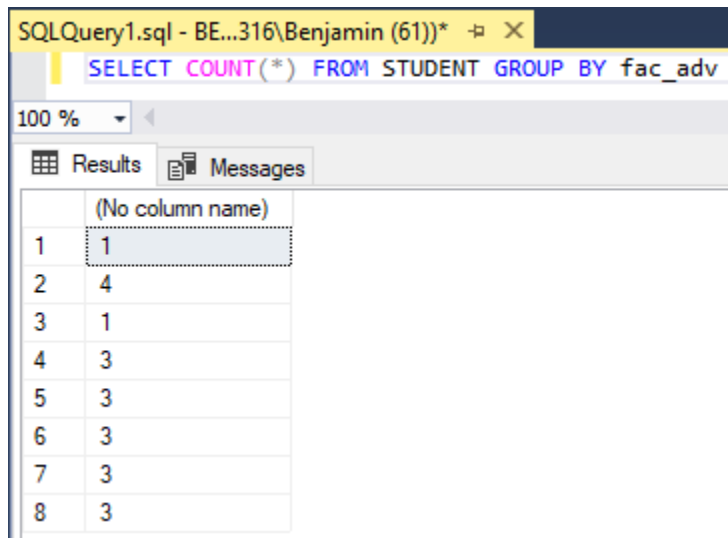
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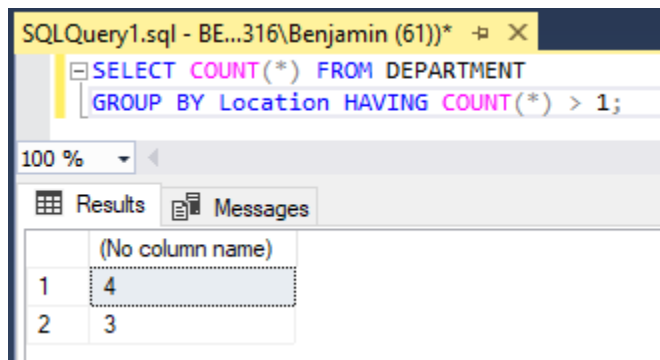
### Query 6:



The screenshot shows a SQL query editor window titled "SQLQuery1.sql - BE...316\Benjamin (61))\*". The query is: `SELECT COUNT(*) FROM STUDENT GROUP BY fac_adv`. Below the query, the "Results" tab is active, displaying a table with 8 rows. The first row is highlighted. The table has two columns: "(No column name)" and "COUNT(\*)".

	(No column name)
1	1
2	4
3	1
4	3
5	3
6	3
7	3
8	3

### Query 7:



The screenshot shows a SQL query editor window titled "SQLQuery1.sql - BE...316\Benjamin (61))\*". The query is: `SELECT COUNT(*) FROM DEPARTMENT GROUP BY Location HAVING COUNT(*) > 1;`. Below the query, the "Results" tab is active, displaying a table with 2 rows. The first row is highlighted. The table has two columns: "(No column name)" and "COUNT(\*)".

	(No column name)
1	4
2	3

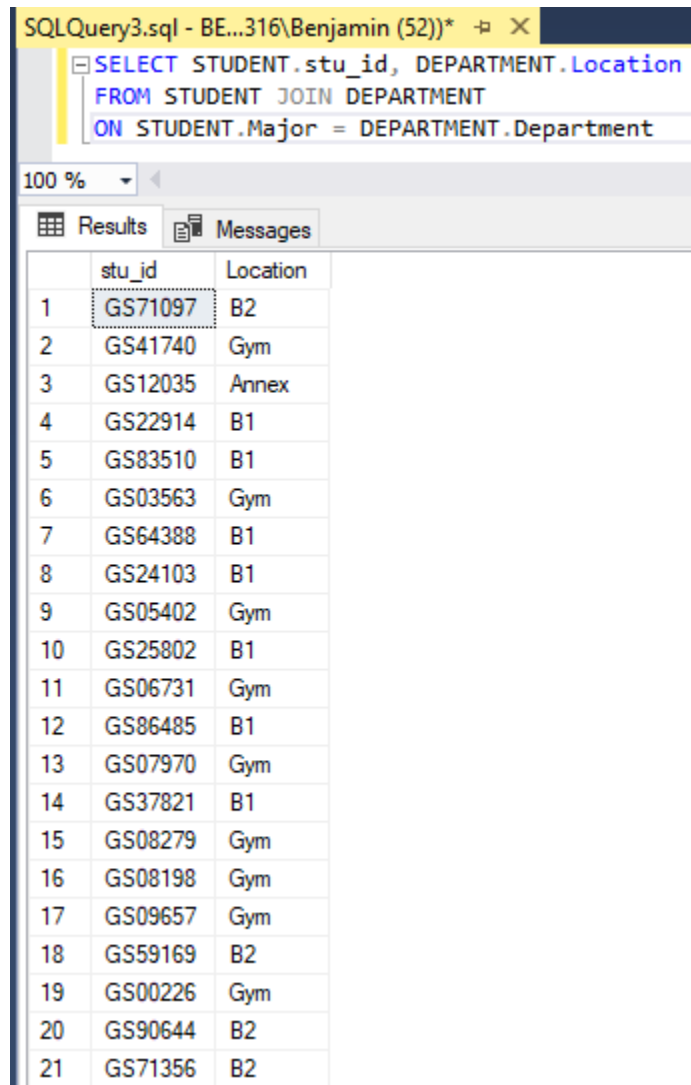
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### Query 8:



The screenshot shows a SQL query editor window titled "SQLQuery3.sql - BE...316\Benjamin (52))". The query is as follows:

```
SELECT STUDENT.stu_id, DEPARTMENT.Location
FROM STUDENT JOIN DEPARTMENT
ON STUDENT.Major = DEPARTMENT.Department
```

Below the query editor, the "Results" tab is active, displaying a table with 21 rows. The first row is highlighted with a dashed border. The table has two columns: "stu\_id" and "Location".

	stu_id	Location
1	GS71097	B2
2	GS41740	Gym
3	GS12035	Annex
4	GS22914	B1
5	GS83510	B1
6	GS03563	Gym
7	GS64388	B1
8	GS24103	B1
9	GS05402	Gym
10	GS25802	B1
11	GS06731	Gym
12	GS86485	B1
13	GS07970	Gym
14	GS37821	B1
15	GS08279	Gym
16	GS08198	Gym
17	GS09657	Gym
18	GS59169	B2
19	GS00226	Gym
20	GS90644	B2
21	GS71356	B2



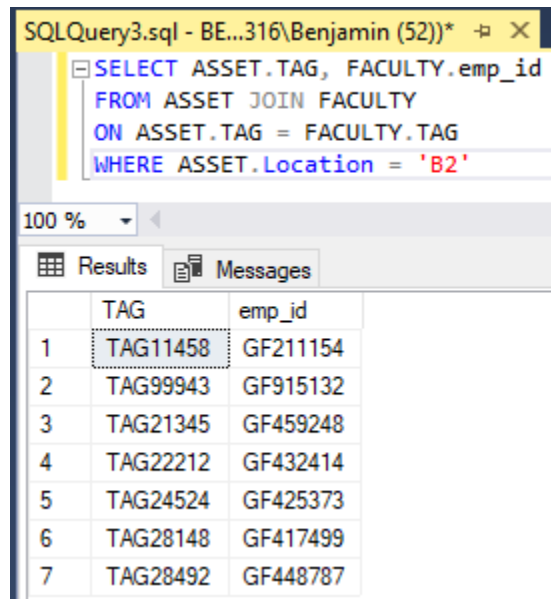
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### Query 9:



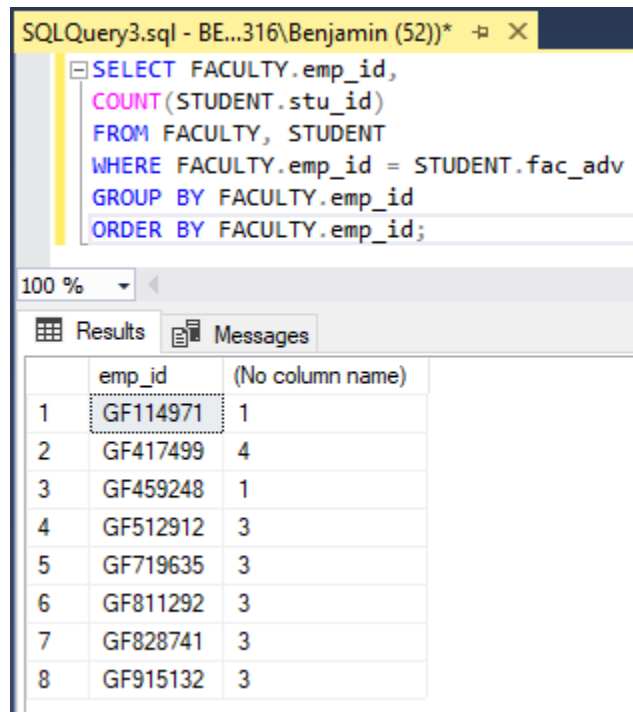
```
SQLQuery3.sql - BE...316\Benjamin (52))* -p X
SELECT ASSET.TAG, FACULTY.emp_id
FROM ASSET JOIN FACULTY
ON ASSET.TAG = FACULTY.TAG
WHERE ASSET.Location = 'B2'
```

100 %

Results Messages

	TAG	emp_id
1	TAG11458	GF211154
2	TAG99943	GF915132
3	TAG21345	GF459248
4	TAG22212	GF432414
5	TAG24524	GF425373
6	TAG28148	GF417499
7	TAG28492	GF448787

### Query 10:



```
SQLQuery3.sql - BE...316\Benjamin (52))* -p X
SELECT FACULTY.emp_id,
COUNT(STUDENT.stu_id)
FROM FACULTY, STUDENT
WHERE FACULTY.emp_id = STUDENT.fac_adv
GROUP BY FACULTY.emp_id
ORDER BY FACULTY.emp_id;
```

100 %

Results Messages

	emp_id	(No column name)
1	GF114971	1
2	GF417499	4
3	GF459248	1
4	GF512912	3
5	GF719635	3
6	GF811292	3
7	GF828741	3
8	GF915132	3

**Greendale**  
Community College

## First-Year Admissions Application

*This form is developed for, and to be used by, the members of the Greendale Community college System. All members evaluate this form equally with all other applications accepted by the institution. Please type or print neatly.*

**College Name:** Greendale Community College

**I am applying for the term:** \_\_\_\_\_

**Possible Major:** \_\_\_\_\_ **Possible Career Plan:** \_\_\_\_\_

### Personal Information

*Please enter your name as it appears on your passport or other official documents.*

**Legal Name:** \_\_\_\_\_  
Last (Family) First Middle Suffix(Jr, Sr, etc.)

**Preferred Name:** \_\_\_\_\_ ☐ **Male** ☐ **Female**

**Date of Birth:** \_\_\_\_/\_\_\_\_/\_\_\_\_ **Social Security #:** \_\_\_\_\_  
mm dd yyyy (###-##-####)

**Email:** \_\_\_\_\_ **Marital Status:** \_\_\_\_\_

**Permanent Address:**

\_\_\_\_\_  
Street Address Apt #

\_\_\_\_\_  
City/Town State/Province Country Zip/Postal Code

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**Business Form 2 (Greendale Application for Employment):**

**Greendale**  
Community College

**Application for Employment**

*This form is developed for, and to be used by, the members of the Greendale Community college System. All members evaluate this form equally with all other applications accepted by the institution. Please type or print neatly.*

**College Name:** Greendale Community College

**Desired Department of Employment:** \_\_\_\_\_

**Desired Position of Employment:** \_\_\_\_\_

**Personal Information**

*Please enter your name as it appears on your passport or other official documents.*

**Legal Name:** \_\_\_\_\_  
Last (Family) First Middle Suffix(Jr, Sr, etc.)

**Preferred Name:** \_\_\_\_\_ ☐ **Male** ☐ **Female**

**Date of Birth:** \_\_\_\_/\_\_\_\_/\_\_\_\_ **Social Security #:** \_\_\_\_\_  
mm dd yyyy (###-##-####)

**Email:** \_\_\_\_\_ **Marital Status:** \_\_\_\_\_

**Permanent Address:**

\_\_\_\_\_  
Street Address Apt #

\_\_\_\_\_  
City/Town State/Province Country Zip/Postal Code

*Please attach resume, cover letter, and any certifications to the end of this form when submitting application.*

<div style="border-bottom: 1px solid black; padding-bottom: 5px;">Greendale</div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;">Community College</div>	<h2 style="margin: 0;">Student Academic Transcript</h2>																											
<h3 style="margin: 0;">Student Information</h3>																												
Student Name: _____ <div style="display: flex; justify-content: space-between; font-size: small; margin-left: 100px;"><span>Last (Family)</span><span>First</span></div>	Student ID: _____																											
Grade Level: _____	Current GPA: _____																											
Semester: _____	Academic Hours Taken: _____																											
<h3 style="margin: 0;">Course Information</h3>																												
<table border="0" style="width: 100%;"><thead><tr><th style="text-align: left; width: 50%;">Course</th><th style="text-align: left; width: 20%;">Hours</th><th style="text-align: left; width: 30%;">Grade</th></tr></thead><tbody><tr><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td></tr></tbody></table>	Course	Hours	Grade	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	<div>Total Hours: _____</div> <div>Updated GPA: _____</div>
Course	Hours	Grade																										
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<h3 style="margin: 0;">Signed Off By:</h3>																												
Student Faculty Advisor: _____	Employee ID: _____																											
Employee Signature: _____																												

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**Business Form 4 (Greendale Computer Checkout Form):**

<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>Greendale</div><div>Community College</div></div></div></div></div> <td><div>Computer Checkout Form</div></td>	<div>Computer Checkout Form</div>
<div>Employee Information</div>	
<div>Employee Name: <div><div>Last (Family)</div><div>First</div></div> Employee ID: </div>	
<div>Department: Location: </div>	
<div>Computer Information</div>	
<div>Computer Tag: New Location: </div>	
<div>Serial Number: Model: </div>	
<div>Signed Off By:</div>	
<div>Employee Signature: Employee ID: </div>	