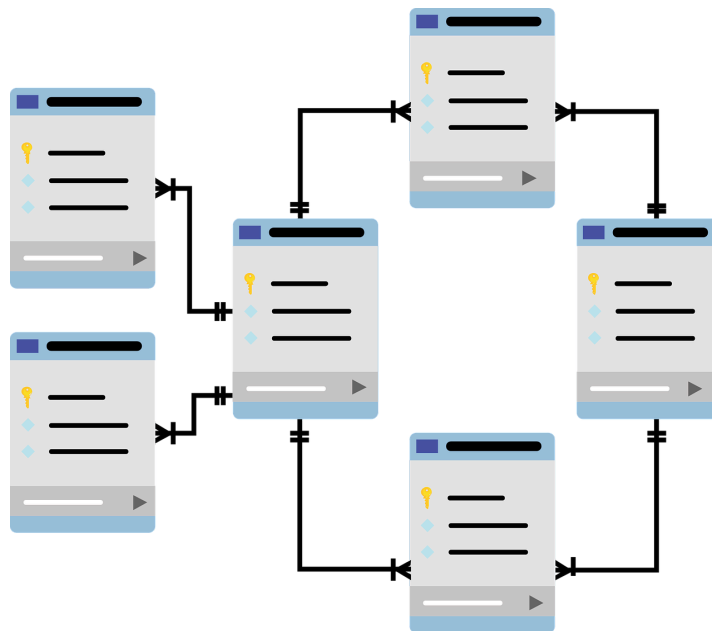


Ali Masuth
IT-214-005

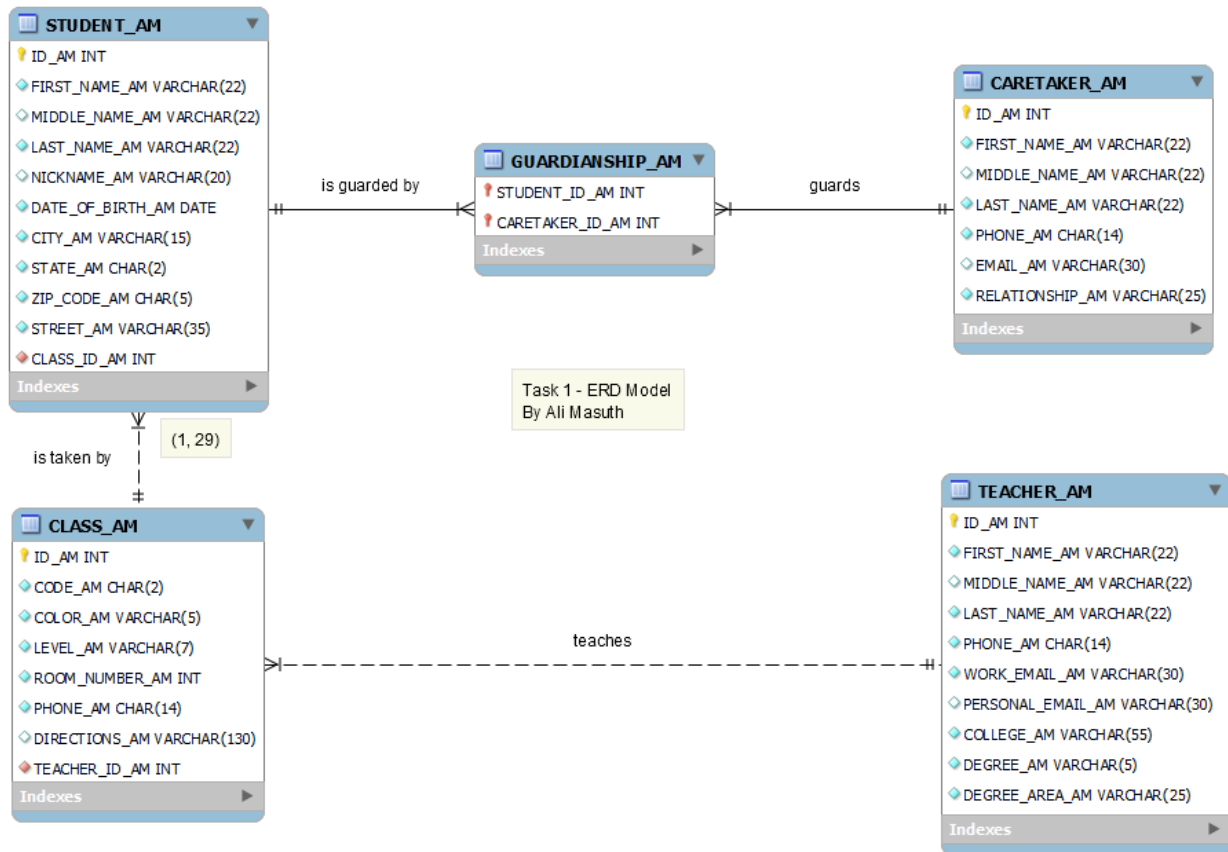
Happy Learning Database Implementation Database Design Report 3

For this report, we will officially create our database by implementing the design based on Project 1. We will not be including Project 2's design in this database. Since we are only implementing Project 1's design, the following entities included will be STUDENT, CARETAKER, GUARDIANSHIP, CLASS, and TEACHER. Any entities involving student lunch will not be included.



<https://pixabay.com/vectors/database-schema-data-tables-schema-1895779/>

Task 1 - ERD Model



Task 2 - Create Database

Task 2 Source Code Screenshot:

```
1  /* Task 2 - Create Database by Ali Masuth */
2
3  • DROP DATABASE IF EXISTS HAPPY_LEARNING;
4  • CREATE DATABASE HAPPY_LEARNING;
5  • USE HAPPY_LEARNING;
6  • SHOW DATABASES;
```

Task 2 Result Screenshot:

Result Grid	Filter Rows
Database	
elementary_school	
fitness_center	
gmu	
▶ happy_learning	
hr	
information_schema	
it214	
mysql	
performance_schema	
soccer_league	
sys	

Task 3 - Create Tables

Task 3 Source Code Screenshots:

```
9      /* Task 3 - Create Tables by Ali Masuth */
10
11 •   SHOW TABLES;
12 •   CREATE TABLE CARETAKER_AM (
13       ID_AM INT PRIMARY KEY,
14       FIRST_NAME_AM VARCHAR(22) NOT NULL,
15       MIDDLE_NAME_AM VARCHAR(22),
16       LAST_NAME_AM VARCHAR(22) NOT NULL,
17       PHONE_AM CHAR(14) NOT NULL,
18       EMAIL_AM VARCHAR(30),
19       RELATIONSHIP_AM VARCHAR(25) NOT NULL
20   );
21
22 •   CREATE TABLE TEACHER_AM (
23       ID_AM INT PRIMARY KEY,
24       FIRST_NAME_AM VARCHAR(22) NOT NULL,
25       MIDDLE_NAME_AM VARCHAR(22),
26       LAST_NAME_AM VARCHAR(22) NOT NULL,
27       PHONE_AM CHAR(14) NOT NULL,
28       WORK_EMAIL_AM VARCHAR(30) NOT NULL,
29       PERSONAL_EMAIL_AM VARCHAR(30),
30       COLLEGE_AM VARCHAR(55) NOT NULL,
31       DEGREE_AM VARCHAR(5) NOT NULL,
32       DEGREE_AREA_AM VARCHAR(25) NOT NULL
33   );
```

```

35 • CREATE TABLE CLASS_AM (
36     ID_AM INT PRIMARY KEY,
37     CODE_AM CHAR(2) NOT NULL UNIQUE,
38     COLOR_AM VARCHAR(5) NOT NULL,
39     LEVEL_AM VARCHAR(7) NOT NULL,
40     ROOM_NUMBER_AM INT NOT NULL UNIQUE,
41     PHONE_AM CHAR(14) NOT NULL UNIQUE,
42     DIRECTIONS_AM VARCHAR(130),
43     TEACHER_ID_AM INT NOT NULL,
44     FOREIGN KEY (TEACHER_ID_AM) REFERENCES TEACHER_AM(ID_AM)
45 );

47 • CREATE TABLE STUDENT_AM (
48     ID_AM INT PRIMARY KEY,
49     FIRST_NAME_AM VARCHAR(22) NOT NULL,
50     MIDDLE_NAME_AM VARCHAR(22),
51     LAST_NAME_AM VARCHAR(22) NOT NULL,
52     NICKNAME_AM VARCHAR(20),
53     DATE_OF_BIRTH_AM DATE NOT NULL,
54     CITY_AM VARCHAR(15) NOT NULL,
55     STATE_AM CHAR(2) NOT NULL,
56     ZIP_CODE_AM CHAR(5) NOT NULL,
57     STREET_AM VARCHAR(35) NOT NULL,
58     CLASS_ID_AM INT NOT NULL,
59     FOREIGN KEY (CLASS_ID_AM) REFERENCES CLASS_AM(ID_AM)
60 );

61
62 • CREATE TABLE GUARDIANSHIP_AM (
63     STUDENT_ID_AM INT NOT NULL,
64     FOREIGN KEY (STUDENT_ID_AM) REFERENCES STUDENT_AM(ID_AM),
65     CARETAKER_ID_AM INT NOT NULL,
66     FOREIGN KEY (CARETAKER_ID_AM) REFERENCES CARETAKER_AM(ID_AM)
67 );

69 • SHOW TABLES;
70 • DESCRIBE CARETAKER_AM;
71 • DESCRIBE TEACHER_AM;
72 • DESCRIBE CLASS_AM;
73 • DESCRIBE STUDENT_AM;
74 • DESCRIBE GUARDIANSHIP_AM;
--



```

Task 3 Result Screenshots:

Result Grid	Filter Rows:
Tables_in_happy_learning	



Result Grid	Filter Rows:
Tables_in_happy_learning	
caretaker_am	
class_am	
guardianship_am	
student_am	
teacher_am	

Result Grid		Filter Rows:		Export:		Wrap Cell C	
	Field	Type	Null	Key	Default	Extra	
▶	ID_AM	int(11)	NO	PRI	NULL		
	FIRST_NAME_AM	varchar(22)	NO		NULL		
	MIDDLE_NAME_AM	varchar(22)	YES		NULL		
	LAST_NAME_AM	varchar(22)	NO		NULL		
	PHONE_AM	char(14)	NO		NULL		
	EMAIL_AM	varchar(30)	YES		NULL		
	RELATIONSHIP_AM	varchar(25)	NO		NULL		

Result Grid		Filter Rows:		Export:		Wrap Cell Con
	Field	Type	Null	Key	Default	Extra
▶	ID_AM	int(11)	NO	PRI	NULL	
	FIRST_NAME_AM	varchar(22)	NO		NULL	
	MIDDLE_NAME_AM	varchar(22)	YES		NULL	
	LAST_NAME_AM	varchar(22)	NO		NULL	
	PHONE_AM	char(14)	NO		NULL	
	WORK_EMAIL_AM	varchar(30)	NO		NULL	
	PERSONAL_EMAIL_AM	varchar(30)	YES		NULL	
	COLLEGE_AM	varchar(55)	NO		NULL	
	DEGREE_AM	varchar(5)	NO		NULL	
	DEGREE_AREA_AM	varchar(25)	NO		NULL	

Result Grid		Filter Rows:		Export:		Wrap Cell Co	
	Field	Type	Null	Key	Default	Extra	
▶	ID_AM	int(11)	NO	PRI	NULL		
	CODE_AM	char(2)	NO	UNI	NULL		
	COLOR_AM	varchar(5)	NO		NULL		
	LEVEL_AM	varchar(7)	NO		NULL		
	ROOM_NUMBER_AM	int(11)	NO	UNI	NULL		
	PHONE_AM	char(14)	NO	UNI	NULL		
	DIRECTIONS_AM	varchar(130)	YES		NULL		
	TEACHER_ID_AM	int(11)	NO	MUL	NULL		

Result Grid		Filter Rows:		Export:	Wrap Cell Co	
	Field	Type	Null	Key	Default	Extra
▶	ID_AM	int(11)	NO	PRI	NULL	
	FIRST_NAME_AM	varchar(22)	NO		NULL	
	MIDDLE_NAME_AM	varchar(22)	YES		NULL	
	LAST_NAME_AM	varchar(22)	NO		NULL	
	NICKNAME_AM	varchar(20)	YES		NULL	
	DATE_OF_BIRTH_AM	date	NO		NULL	
	CITY_AM	varchar(15)	NO		NULL	
	STATE_AM	char(2)	NO		NULL	
	ZIP_CODE_AM	char(5)	NO		NULL	
	STREET_AM	varchar(35)	NO		NULL	
	CLASS_ID_AM	int(11)	NO	MUL	NULL	

Result Grid			Filter Rows:		Export:		Wrap
	Field	Type	Null	Key	Default	Extra	
▶	STUDENT_ID_AM	int(11)	NO	MUL	NULL		
	CARETAKER_ID_AM	int(11)	NO	MUL	NULL		

Task 4 - Add Data

Task 4 Source Code Screenshots:

```
77  /* Task 4 - Add Data by Ali Masuth */
78
79  ● SELECT * FROM CARETAKER_AM;
80  ● SELECT * FROM TEACHER_AM;
81  ● SELECT * FROM CLASS_AM;
82  ● SELECT * FROM STUDENT_AM;
83  ● SELECT * FROM GUARDIANSHIP_AM;
84
85  ● INSERT INTO CARETAKER_AM VALUES
86      (1, 'Rachel', 'Amanda', 'Harvey', '(703) 123-1234', NULL, 'Mother'),
87      (2, 'Amanda', NULL, 'Morin', '(703) 987-6543', 'amandamorin@gmail.com', 'Mother'),
88      (3, 'Samuel', 'James', 'Hansen', '(571) 123-5432', NULL, 'Father'),
89      (4, 'Joshua', 'Adam', 'Hudson', '(571) 458-2852', 'joshuahudson32@gmail.com', 'Brother'),
90      (5, 'Samantha', 'Jamie', 'Sanders', '(172) 751-2541', 'samjsanders41@gmail.com', 'Aunt');
91
92  ● INSERT INTO TEACHER_AM VALUES
93      (11, 'John', 'Robert', 'Ganby', '(703) 749-1727', 'johnnganby23@happylearning.com', NULL, 'University of Colorado', 'BA', 'Elementary Education'),
94      (12, 'Veronica', 'Noelle', 'Adams', '(703) 273-2841', 'noellea81@happylearning.com', 'noellea81@gmail.com', 'Virginia Commonwealth University', 'BS', 'Mathematics'),
95      (13, 'Wilson', NULL, 'Jacobs', '(703) 182-5812', 'willjacobs38@happylearning.com', 'willjacobs38@gmail.com', 'George Mason University', 'MS', 'Science'),
96      (14, 'Douglas', 'Timothy', 'Rogers', '(571) 499-9889', 'dougrogers@happylearning.com', NULL, 'University of North Texas', 'BA', 'Elementary Education'),
97      (15, 'Emily', NULL, 'Christopher', '(571) 123-9999', 'emilychris@happylearning.com', 'emilychris@gmail.com', 'Virginia Tech', 'MA', 'English');
98
99  ● INSERT INTO CLASS_AM VALUES
100      (21, 'RT', 'Red', 'Turtles', 101, '(703) 111-1111', 'Northwest Wing, Room 101', 11),
101      (22, 'RF', 'Red', 'Foxes', 102, '(703) 222-2222', 'East Wing, Room 102', 11),
102      (23, 'RM', 'Red', 'Monkeys', 103, '(703) 333-3333', NULL, 12),
103      (24, 'BT', 'Blue', 'Turtles', 104, '(703) 444-4444', NULL, 12),
104      (25, 'BF', 'Blue', 'Foxes', 105, '(703) 555-5555', 'South Wing, Room 105', 13),
105      (26, 'BM', 'Blue', 'Monkeys', 106, '(703) 666-6666', 'Annex Building, Room 106', 13),
106      (27, 'GT', 'Green', 'Turtles', 107, '(703) 777-7777', 'Upper Floor, Room 107', 14),
107      (28, 'GF', 'Green', 'Foxes', 108, '(703) 888-8888', NULL, 14),
108      (29, 'GM', 'Green', 'Monkeys', 109, '(703) 999-9999', NULL, 15);
109
110  ● INSERT INTO STUDENT_AM VALUES
111      (31, 'Emma', 'Grace', 'Harvey', NULL, '2005-03-15', 'Citytown', 'ST', '12345', 'First Street', 21),
112      (32, 'Liam', 'Alexander', 'Morin', NULL, '2004-08-22', 'Alexandria', 'VA', '23456', 'Second Avenue', 22),
113      (33, 'Olivia', 'Sophia', 'Hansen', NULL, '2006-02-10', 'Sunnydale', 'MD', '34567', 'Third Boulevard', 23),
114      (34, 'Noah', 'James', 'Hudson', NULL, '2005-11-30', 'Harbor City', 'DC', '45678', 'Fourth Lane', 24),
115      (35, 'Ava', 'Elizabeth', 'Sanders', NULL, '2006-07-05', 'Rainbow Falls', 'NV', '56789', 'Fifth Street', 25),
116      (36, 'Mia', 'Charlotte', 'Morin', NULL, '2004-05-20', 'Starlight City', 'CA', '67890', 'Sixth Avenue', 26),
117      (37, 'Lucas', 'William', 'Hansen', 'Luke', '2005-09-18', 'Pleasantville', 'FL', '78901', 'Seventh Boulevard', 27),
118      (38, 'Isabella', NULL, 'Hudson', 'Bella', '2006-04-12', 'Maplewood', 'TX', '89012', 'Eighth Lane', 28),
119      (39, 'Jackson', 'Michael', 'Hudson', 'Jack', '2004-12-25', 'Winchester', 'GA', '90123', 'Ninth Street', 29),
120      (40, 'Sophia', 'Grace', 'Harvey', NULL, '2005-02-28', 'Riverside', 'CA', '11223', 'Tenth Avenue', 21),
121      (41, 'Ethan', 'Alexander', 'Morin', NULL, '2004-11-15', 'Springfield', 'IL', '33445', 'Eleventh Boulevard', 22),
122      (42, 'Amelia', 'Lily', 'Hansen', NULL, '2006-01-10', 'Woodland', 'OH', '55667', 'Twelfth Lane', 23),
123      (43, 'Daniel', 'Joseph', 'Hudson', 'Dan', '2005-10-30', 'Highland', 'MI', '77889', 'Thirteenth Street', 24),
124      (44, 'Chloe', 'Sophia', 'Hudson', NULL, '2006-06-05', 'Meadowview', 'VA', '99011', 'Fourteenth Avenue', 25),
125      (45, 'Oliver', 'Benjamin', 'Morin', NULL, '2004-04-20', 'Sunset', 'AZ', '11223', 'Fifteenth Boulevard', 26),
126      (46, 'Aria', 'Grace', 'Harvey', NULL, '2005-08-18', 'Greenfield', 'KS', '33445', 'Sixteenth Lane', 27),
127      (47, 'Carter', 'Thomas', 'Morin', NULL, '2006-03-12', 'Bayside', 'FL', '55667', 'Seventeenth Street', 28),
128      (48, 'Scarlett', 'Rose', 'Sanders', NULL, '2004-12-25', 'Roseville', 'CA', '77889', 'Eighteenth Avenue', 29);
129
```

```

131 • INSERT INTO GUARDIANSHIP_AM VALUES
132     (31, 1),
133     (32, 2),
134     (33, 3),
135     (34, 4),
136     (35, 5),
137     (36, 2),
138     (37, 3),
139     (38, 4),
140     (39, 4),
141     (40, 1),
142     (41, 2),
143     (42, 3),
144     (43, 4),
145     (44, 4),
146     (45, 2),
147     (46, 1),
148     (47, 2),
149     (48, 5);

151 • SELECT * FROM CARETAKER_AM;
152 • SELECT * FROM TEACHER_AM;
153 • SELECT * FROM CLASS_AM;
154 • SELECT * FROM STUDENT_AM;
155 • SELECT * FROM GUARDIANSHIP_AM;

```

Task 4 Result Screenshots:

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	ID_AM	FIRST_NAME_AM	MIDDLE_NAME_AM	LAST_NAME_AM	PHONE_AM	EMAIL_AM	RELATIONSHIP_AM
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	ID_AM	FIRST_NAME_AM	MIDDLE_NAME_AM	LAST_NAME_AM	PHONE_AM	WORK_EMAIL_AM	PERSONAL_EMAIL_AM	COLLEGE_AM	DEGREE_AM	DEGREE_AREA_AM
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	ID_AM	CODE_AM	COLOR_AM	LEVEL_AM	ROOM_NUMBER_AM	PHONE_AM	DIRECTIONS_AM	TEACHER_ID_AM
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2

Result Grid

Filter Rows:



Edit:

Export/Import:

Wrap Cell Content:

	ID_AM	FIRST_NAME_AM	MIDDLE_NAME_AM	LAST_NAME_AM	NICKNAME_AM	DATE_OF_BIRTH_AM	CITY_AM	STATE_AM	ZIP_CODE_AM	STREET_AM	CLASS_ID_AM
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid	Filter Rows:
STUDENT_ID_AM	CARETAKER_ID_AM

Result Grid   Filter Rows: <input type="text"/>		
	STUDENT_ID_AM	CARETAKER_ID_AM
▶	31	1
	32	2
	33	3
	34	4
	35	5
	36	2
	37	3
	38	4
	39	4
	40	1
	41	2
	42	3
	43	4
	44	4
	45	2
	46	1
	47	2
	48	5

Task 5 - Query the Data

Task 5 Source Code Screenshots:

```

157      /* Task 5 - Query the Data by Ali Masuth */
158
159 •   SELECT
160         CONCAT(STUDENT_AM.FIRST_NAME_AM, ' ', STUDENT_AM.LAST_NAME_AM) AS 'Student',
161         LEVEL_AM AS 'Level',
162         COLOR_AM AS 'Color',
163         ROOM_NUMBER_AM AS 'Room',
164         CONCAT(TEACHER_AM.FIRST_NAME_AM, ' ', TEACHER_AM.LAST_NAME_AM) AS 'Teacher'
165     FROM
166         STUDENT_AM, CLASS_AM, TEACHER_AM
167     WHERE
168         STUDENT_AM.CLASS_ID_AM=CLASS_AM.ID_AM AND CLASS_AM.TEACHER_ID_AM=TEACHER_AM.ID_AM
169     ORDER BY
170         STUDENT_AM.FIRST_NAME_AM ASC;

173 •   SELECT
174         COLOR_AM AS 'Color',
175         LEVEL_AM AS 'Level',
176         CONCAT(STUDENT_AM.FIRST_NAME_AM, ' ', STUDENT_AM.LAST_NAME_AM) AS 'Student Name',
177         STUDENT_AM.NICKNAME_AM AS 'Nickname'
178     FROM
179         CLASS_AM, STUDENT_AM
180     WHERE
181         STUDENT_AM.CLASS_ID_AM=CLASS_AM.ID_AM
182     ORDER BY
183         LEVEL_AM ASC, COLOR_AM ASC, STUDENT_AM.FIRST_NAME_AM ASC;
184

```



```





186 • SELECT
187     CONCAT(CARETAKER_AM.FIRST_NAME_AM, ' ', CARETAKER_AM.LAST_NAME_AM) AS 'Caretaker Name',
188     CARETAKER_AM.EMAIL_AM AS 'Email',
189     CONCAT(STUDENT_AM.FIRST_NAME_AM, ' ', STUDENT_AM.LAST_NAME_AM) AS 'Student Name',
190     CLASS_AM.LEVEL_AM AS 'Class Level',
191     CLASS_AM.COLOR_AM AS 'Color'
192 FROM
193     CARETAKER_AM,
194     GUARDIANSHIP_AM,
195     STUDENT_AM,
196     CLASS_AM
197 WHERE
198     CARETAKER_AM.ID_AM = GUARDIANSHIP_AM.CARETAKER_ID_AM
199     AND GUARDIANSHIP_AM.STUDENT_ID_AM = STUDENT_AM.ID_AM
200     AND STUDENT_AM.CLASS_ID_AM = CLASS_AM.ID_AM
201 ORDER BY
202     CARETAKER_AM.FIRST_NAME_AM ASC, STUDENT_AM.FIRST_NAME_AM ASC;
---
205 /* Each student only contains one caretaker. */
206 • SELECT
207     CONCAT(TEACHER_AM.FIRST_NAME_AM, ' ', TEACHER_AM.LAST_NAME_AM) AS 'Teacher',
208     CONCAT(STUDENT_AM.FIRST_NAME_AM, ' ', STUDENT_AM.LAST_NAME_AM) AS 'Student',
209     CONCAT(CARETAKER_AM.FIRST_NAME_AM, ' ', CARETAKER_AM.LAST_NAME_AM) AS 'Parent'
210 FROM
211     TEACHER_AM, CLASS_AM, STUDENT_AM, GUARDIANSHIP_AM, CARETAKER_AM
212 WHERE
213     CLASS_AM.TEACHER_ID_AM = TEACHER_AM.ID_AM
214     AND STUDENT_AM.CLASS_ID_AM = CLASS_AM.ID_AM
215     AND GUARDIANSHIP_AM.STUDENT_ID_AM = STUDENT_AM.ID_AM
216     AND GUARDIANSHIP_AM.CARETAKER_ID_AM = CARETAKER_AM.ID_AM
217 ORDER BY
218     TEACHER_AM.FIRST_NAME_AM ASC, STUDENT_AM.FIRST_NAME_AM ASC, CARETAKER_AM.FIRST_NAME_AM ASC;

```

Task 5 Result Screenshots:

Result Grid					
Filter Rows:					
Export:					
Student	Level	Color	Room	Teacher	
Amelia Hansen	Monkeys	Red	103	Veronica Adams	
Aria Harvey	Turtles	Green	107	Douglas Rogers	
Ava Sanders	Foxes	Blue	105	Wilson Jacobs	
Carter Morin	Foxes	Green	108	Douglas Rogers	
Chloe Hudson	Foxes	Blue	105	Wilson Jacobs	
Daniel Hudson	Turtles	Blue	104	Veronica Adams	
Emma Harvey	Turtles	Red	101	John Gamby	
Ethan Morin	Foxes	Red	102	John Gamby	
Isabella Hudson	Foxes	Green	108	Douglas Rogers	
Jackson Hudson	Monkeys	Green	109	Emily Christopher	
Liam Morin	Foxes	Red	102	John Gamby	
Lucas Hansen	Turtles	Green	107	Douglas Rogers	
Mia Morin	Monkeys	Blue	106	Wilson Jacobs	
Noah Hudson	Turtles	Blue	104	Veronica Adams	
Oliver Morin	Monkeys	Blue	106	Wilson Jacobs	
Olivia Hansen	Monkeys	Red	103	Veronica Adams	
Scarlett Sanders	Monkeys	Green	109	Emily Christopher	
Sophia Harvey	Turtles	Red	101	John Gamby	

Result Grid   Filter Rows: <input type="text"/>				
	Color	Level	Student Name	Nickname
▶	Blue	Foxes	Ava Sanders	NULL
	Blue	Foxes	Chloe Hudson	NULL
	Green	Foxes	Carter Morin	NULL
	Green	Foxes	Isabella Hudson	Bella
	Red	Foxes	Ethan Morin	NULL
	Red	Foxes	Liam Morin	NULL
	Blue	Monkeys	Mia Morin	NULL
	Blue	Monkeys	Oliver Morin	NULL
	Green	Monkeys	Jackson Hudson	Jack
	Green	Monkeys	Scarlett Sanders	NULL
	Red	Monkeys	Amelia Hansen	NULL
	Red	Monkeys	Olivia Hansen	NULL
	Blue	Turtles	Daniel Hudson	Dan
	Blue	Turtles	Noah Hudson	NULL
	Green	Turtles	Aria Harvey	NULL
	Green	Turtles	Lucas Hansen	Luke
	Red	Turtles	Emma Harvey	NULL
	Red	Turtles	Sophia Harvey	NULL

Result Grid   Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 					
	Caretaker Name	Email	Student Name	Class Level	Color
▶	Amanda Morin	amandamorin@gmail.com	Carter Morin	Foxes	Green
	Amanda Morin	amandamorin@gmail.com	Ethan Morin	Foxes	Red
	Amanda Morin	amandamorin@gmail.com	Liam Morin	Foxes	Red
	Amanda Morin	amandamorin@gmail.com	Mia Morin	Monkeys	Blue
	Amanda Morin	amandamorin@gmail.com	Oliver Morin	Monkeys	Blue
	Joshua Hudson	joshuahudson32@gmail.com	Chloe Hudson	Foxes	Blue
	Joshua Hudson	joshuahudson32@gmail.com	Daniel Hudson	Turtles	Blue
	Joshua Hudson	joshuahudson32@gmail.com	Isabella Hudson	Foxes	Green
	Joshua Hudson	joshuahudson32@gmail.com	Jackson Hudson	Monkeys	Green
	Joshua Hudson	joshuahudson32@gmail.com	Noah Hudson	Turtles	Blue
	Rachel Harvey	NULL	Aria Harvey	Turtles	Green
	Rachel Harvey	NULL	Emma Harvey	Turtles	Red
	Rachel Harvey	NULL	Sophia Harvey	Turtles	Red
	Samantha Sand...	samjsanders41@gmail.com	Ava Sanders	Foxes	Blue
	Samantha Sand...	samjsanders41@gmail.com	Scarlett Sanders	Monkeys	Green
	Samuel Hansen	NULL	Amelia Hansen	Monkeys	Red
	Samuel Hansen	NULL	Lucas Hansen	Turtles	Green
	Samuel Hansen	NULL	Olivia Hansen	Monkeys	Red

(Each student contains only one caretaker. Therefore, the arrangement of the list of parents cannot be in alphabetical order.)

Result Grid   Filter Rows: <input type="text"/> Export: 			
	Teacher	Student	Parent
▶	Douglas Rogers	Aria Harvey	Rachel Harvey
	Douglas Rogers	Carter Morin	Amanda Morin
	Douglas Rogers	Isabella Hudson	Joshua Hudson
	Douglas Rogers	Lucas Hansen	Samuel Hansen
	Emily Christopher	Jackson Hudson	Joshua Hudson
	Emily Christopher	Scarlett Sanders	Samantha Sanders
	John Gamby	Emma Harvey	Rachel Harvey
	John Gamby	Ethan Morin	Amanda Morin
	John Gamby	Liam Morin	Amanda Morin
	John Gamby	Sophia Harvey	Rachel Harvey
	Veronica Adams	Amelia Hansen	Samuel Hansen
	Veronica Adams	Daniel Hudson	Joshua Hudson
	Veronica Adams	Noah Hudson	Joshua Hudson
	Veronica Adams	Olivia Hansen	Samuel Hansen
	Wilson Jacobs	Ava Sanders	Samantha Sanders
	Wilson Jacobs	Chloe Hudson	Joshua Hudson
	Wilson Jacobs	Mia Morin	Amanda Morin
	Wilson Jacobs	Oliver Morin	Amanda Morin