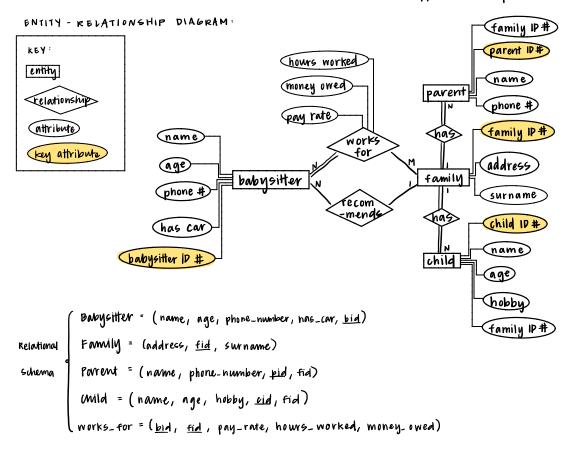
# assignment 2

#### Personal Database Application Step 2



UREATE TABLE babysitter (name VARCHAR (40), age INT, phone\_number BIGINT, has\_car BOOLEAN, bid INT, PRIMARY KEY (bid));
UREATE TABLE family (swrname VARCHAR (30), address VARCHAR (255), fld INT, PRIMARY KEY (fid));
UREATE TABLE parent (name VARCHAR (20), phone\_number BIGINT, pid INT, fid INT,

PRIMARY KEY (pid), FOREION KEY (fid) REFERENCES family (fid));

CREATE TABLE WILD (name VARCHAR (20), ago INT, hobby VARCHAR (40), cid INT, fid INT,

PRIMARY KEY (cid), FOREION KEY (fid) REFERENCES family (fid));

CREATE TABLE WORKS\_for (bid INT, fid INT, pay\_rate DECIMAL (5,2), howrs\_worked INT, money\_owed DECIMAL (7,2),

PRIMARY KEY (bid, fid),

FOREIGN KEY (bid) REFERENCES babysitter (bid),

FOREIGN KEY (fid) REFERENCES family (fid));

```
mysql> CREATE DATABASE babysitterDB;
Query OK, 1 row affected (0.00 sec)
```

mysql> USE babysitterDB;

Database changed

mysql> CREATE TABLE babysitter (name VARCHAR(40), age INT,
phone\_number BIGINT, has\_car BOOLEAN, bid INT, PRIMARY KEY (bid));
Query OK, 0 rows affected (0.01 sec)

mysql> CREATE TABLE family (surname VARCHAR(30), address VARCHAR(255), fid INT, PRIMARY KEY (fid)); Query OK, 0 rows affected (0.01 sec)

mysql> CREATE TABLE parent (name VARCHAR(20), phone\_number BIGINT, pid
INT, fid INT, PRIMARY KEY (pid), FOREIGN KEY (fid) REFERENCES
family(fid));

Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE child (name VARCHAR(20), age INT, hobby
VARCHAR(40), cid INT, fid INT, PRIMARY KEY (cid), FOREIGN KEY (fid)
REFERENCES family(fid));
Query OK, 0 rows affected (0.01 sec)

mysql> CREATE TABLE works\_for (bid INT, fid INT, pay\_rate
DECIMAL(5,2), hours\_worked INT, money\_owed DECIMAL(7,2), PRIMARY KEY
(bid, fid), FOREIGN KEY (bid) REFERENCES babysitter(bid), FOREIGN KEY
(fid) REFERENCES family(fid));
Query OK, 0 rows affected (0.02 sec)

## mysql> DESCRIBE babysitter;

+	<u> </u>	+	<b></b>	<b></b>	<b></b>
Field	Туре	Null	Key	Default	Extra
name   age   phone_number   has_car   bid	varchar(40)   int(11)   bigint(20)   tinyint(1)   int(11)	YES YES YES YES NO	         PRI	NULL   NULL   NULL   NULL   NULL	

5 rows in set (0.09 sec)

#### mysql> DESCRIBE family;

+	   Type 	+   Null	+   Key 	+   Default   	   Extra   
	varchar(30)   varchar(255)   int(11)	YES YES NO	İ	NULL NULL NULL	

3 rows in set (0.00 sec)

### mysql> DESCRIBE parent;

Field	   Type 	Null	Key	Default	   Extra
name	varchar(20)	YES		NULL	
phone_number	bigint(20)	YES		NULL	
pid	int(11)	NO	PRI	NULL	
fid	int(11)	YES	MUL	NULL	

4 rows in set (0.01 sec)

# mysql> DESCRIBE child;

+	+	+	+		++
	Type	Null	Key	Default	Extra
	+	+	+		+
name	varchar(20)	YES		NULL	
age	int(11)	YES		NULL	
hobby	varchar(40)	YES		NULL	
cid	int(11)	NO	PRI	NULL	
fid	int(11)	YES	MUL	NULL	

5 rows in set (0.01 sec)

### mysql> DESCRIBE works\_for;

Field		L	L	L		L	L	ı
fid		Field	Type	Null	Key	Default	Extra	
	-	fid   pay_rate   hours_worked	int(11)   decimal(5,2)   int(11)	N0 YES YES	•	NULL NULL NULL		-

5 rows in set (0.00 sec)

mysql> INSERT INTO babysitter VALUES ('Jane Andrews', 19, 1234567890, TRUE, 1);

Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO babysitter VALUES ('Tony Smith', 18, 3031239852, FALSE, 2);

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO babysitter VALUES ('Annie Jones', 21, 2138769890, FALSE, 3);

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO babysitter VALUES ('Melanie Meyers', 16, 6517382945, TRUE, 4); Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO babysitter VALUES ('Harley Davidson', 20, 6123893928, TRUE, 5);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT \* FROM babysitter;

<u>+</u>	<u>-</u>	L	L	
name	age	phone_number	has_car	bid
Jane Andrews   Tony Smith   Annie Jones   Melanie Meyers   Harley Davidson	19   18   21   16   20	1234567890 3031239852 2138769890 6517382945 6123893928	1   0   0   1   1	1   2   3   4   5

5 rows in set (0.00 sec)

mysql>