Let's try: Movie-Database

Identify entity, entity sets, and attributes

Movies

Each movie has a *title* and *year*; *title* and *year* together uniquely identify the movie. *Length* and *genre* are maintained for each movie. Each movie is associated with a *studioName* which tells us the studio that owns the movie, and *producerC#* which is an integer that represents the producer of the movie.
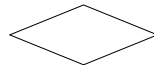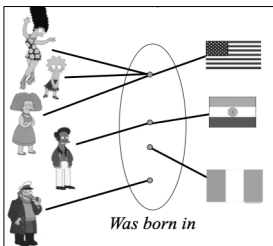
MovieStars

MovieStars tells us something about stars. It maintains the *name* of the movie star, address, gender, and birthdate. The gender can be a single character (*M* or *F*). Birthday is of type "date," which might be a character string of a special form.
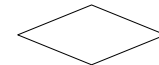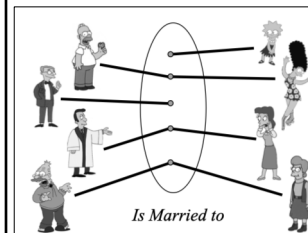

Let's try: Movie-Database

Let's try: Cardinality (1)

Draw an E-R diagram to model the given image sample data. Specify the cardinality. Interpret the E-R diagram.
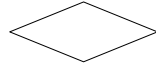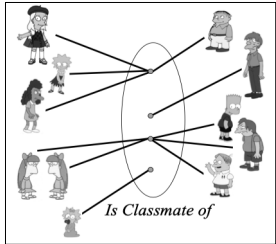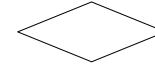

Let's try: Cardinality (2)

Draw an E-R diagram to model the given image sample data. Specify the cardinality. Interpret the E-R diagram.

Let's try: Cardinality (3)

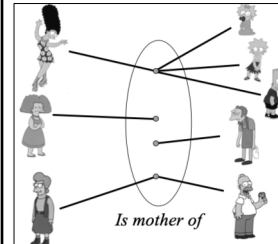**Draw an E-R diagram to model the given image sample data. Specify the cardinality. Interpret the E-R diagram.**

Is Classmate of

[ ]   < >   [ ]

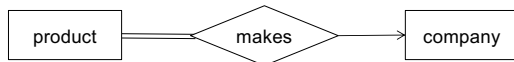
Let's try: Cardinality (4)

Draw an E-R diagram to model the given image sample data. Specify the cardinality. Interpret the E-R diagram.

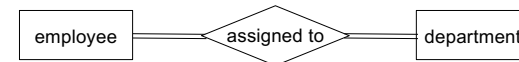*Is mother of*

[ ]   < >   [ ]

Let's try: Participation (1)

Interpret the E-R diagram.

product ═ < makes > → company

Let's try: Participation (2)

Interpret the E-R diagram.

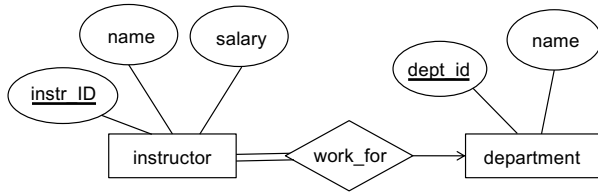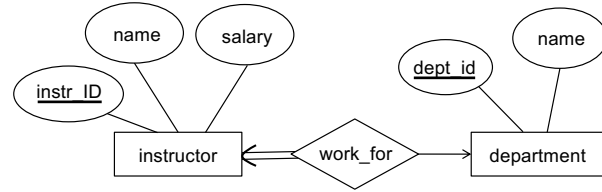employee ═ < assigned to > ═ department

Let's try: Participation (3)
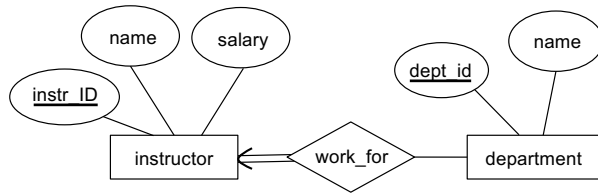
Interpret the E-R diagram.

Let's try: Participation (4)
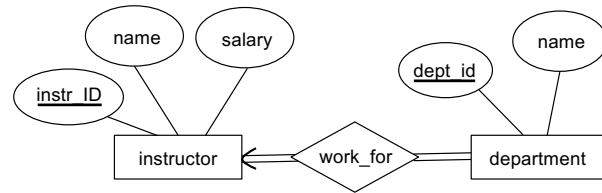
Interpret the E-R diagram.

Let's try: Participation (5)

Interpret the E-R diagram.

Let's try: Participation (6)

Interpret the E-R diagram.

Let's try: Attributes - Relationships

Interpret the E-R diagram.