## Task 2: DB change

Imagine the following simple database:

A screenshot of a cell phone

Description automatically generated

CREATE TABLE IF NOT EXISTS `users` (

`id` BIGINT(20) NOT NULL AUTO\_INCREMENT,

`email` VARCHAR(250) NOT NULL,

`first\_name` VARCHAR(80) NOT NULL,

`last\_name` VARCHAR(80) NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB;

CREATE TABLE IF NOT EXISTS `products` (

`id` BIGINT(20) NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(45) NULL,

`owner\_id` BIGINT(20) NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_products\_users\_idx` (`owner\_id` ASC),

CONSTRAINT `fk\_products\_users`

FOREIGN KEY (`owner\_id`)

REFERENCES `mydb`.`users` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

Every product has a single owner, and every user can be the owner of several products (1:n relation). The required change is that a product should have several owners instead of only one (m:n instead of 1:n).

How would you change the database to make this possible?

* Create a new EER diagram that reflects your changes.
* Add the new CREATE TABLE statements.