

**جــامـعـة الإسراء الخــاصــة**

**كـليـة تكـنولوجيـا المعلومـات**

**Isra University**

**Faculty of IT**

**Second Semester 2023/2024**

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| Course Title: database | Course No.: | HW No : 3 |
| Submitted to: Dr. Maher Abuhamdeh | | |
| Student Number:  Ae2279 | Student Name:  Kawther maharmeh | Date:  31/5/2024 |

Design ER-Diagram of a ZOO then and map it to relations .

The ZOO stores information about animals, cages, and zoo keepers.

■ Animals are of a certain species and have a name. For each animal we want to record its animal ID, name, species, age, gender, weight

■ Each cage is located in a section of the zoo. Cages can house animals, but there may be cages that are currently empty. Cages have a size in square meter. Each cage can contain one or more animals. We can include attributes like cage ID, size, and location

■ Zoo keepers are identified by their social security number. We store a first name, last name, and for each zoo keeper.

Zoo keepers are assigned to cages they have to take care of (clean, …). Each cage that is not empty has a zoo keeper assigned to it. A zoo keeper can take care of several cages. Each zoo keeper takes care of at least one cage. We can include attributes like staff ID, name, position, and expertise













