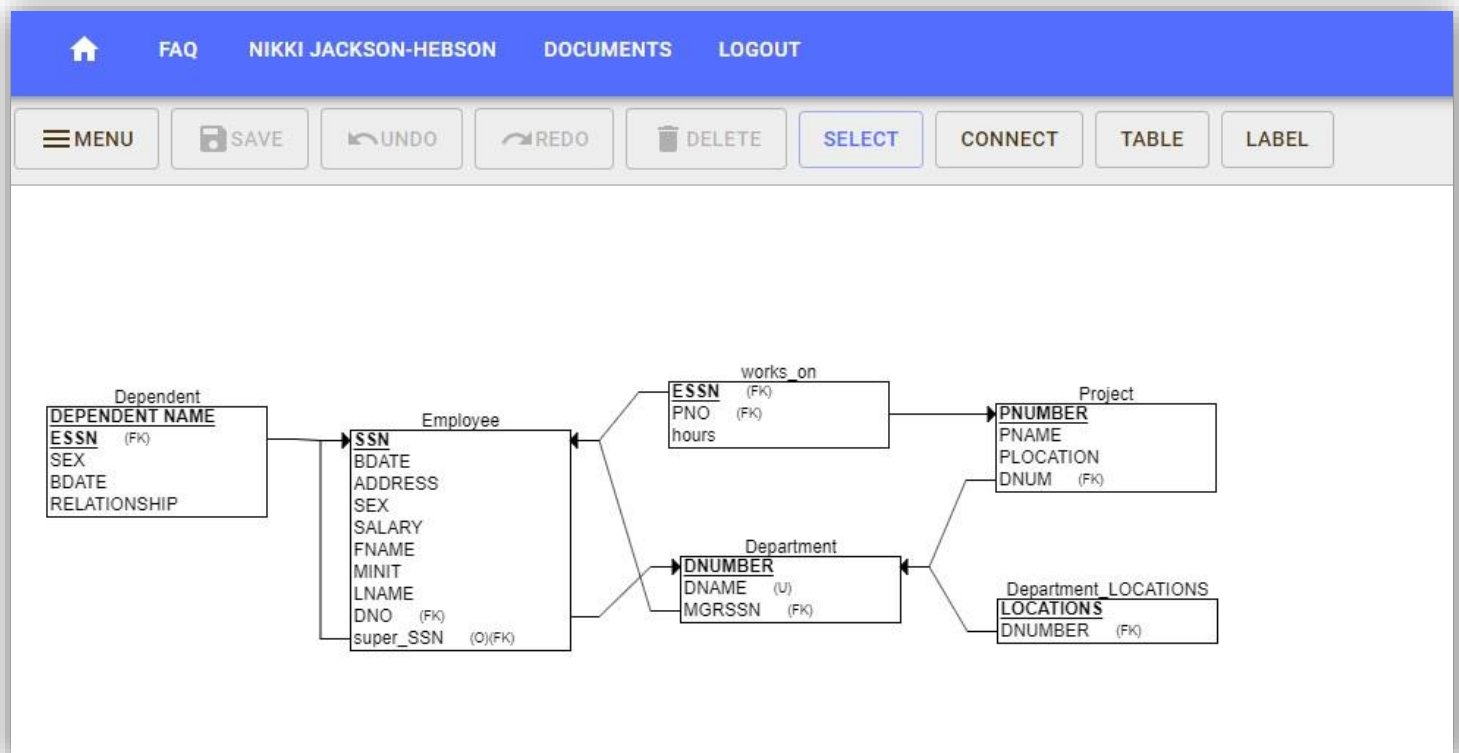


1. The data type for DNAME is set to varchar for the ability to add indeterminate numbers or letters as a department name. The DNAME attribute is limited to 25 characters as a department name will most likely not exceed more than 25 characters. The 25 character limit requires less memory to store 25 characters as opposed to 50 characters – no need to store additional unused character spaces. DNUMBER is stored as int to allow only integers to be populated. The int data type can store up to 4 bytes of data. The DNUMBER would most likely not exceed this limit.
2. DNUMBER and DLOCATION are both needed as a primary key to find the correct DEPARTMENT_LOCATION. It is likely that multiple occurrences of the same DNUMBER and the same DLOCATION. Therefore, both DNUMBER and DLOCATION are needed as the primary key in order to accurately query the data.
3. True – the referencing column of a foreign key must be a primary key of the referenced table. A foreign key joins a table to another table by referencing its primary key. A constraint of a foreign key is that the key can only contain values that are in the referenced primary key which ensures the integrity of the data joined.
- 4.





FAQ

NIKKI JACKSON-HEBSON

DOCUMENTS

LOGOUT

MENU

SAVE

UNDO

REDO

DELETE

SELECT

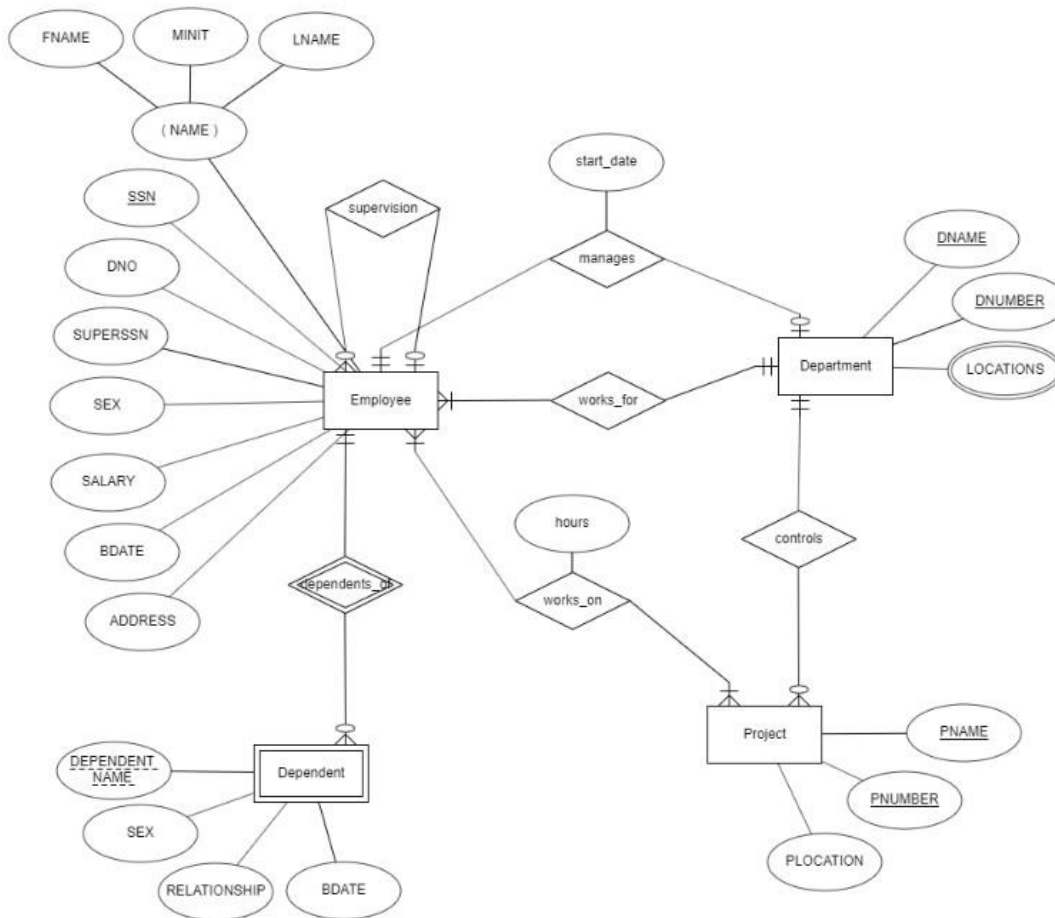
CONNECT

ENTITY

ATTRIBUTE

RELATIONSHIP

LABEL



5.

