CSE7330
Project phase 1
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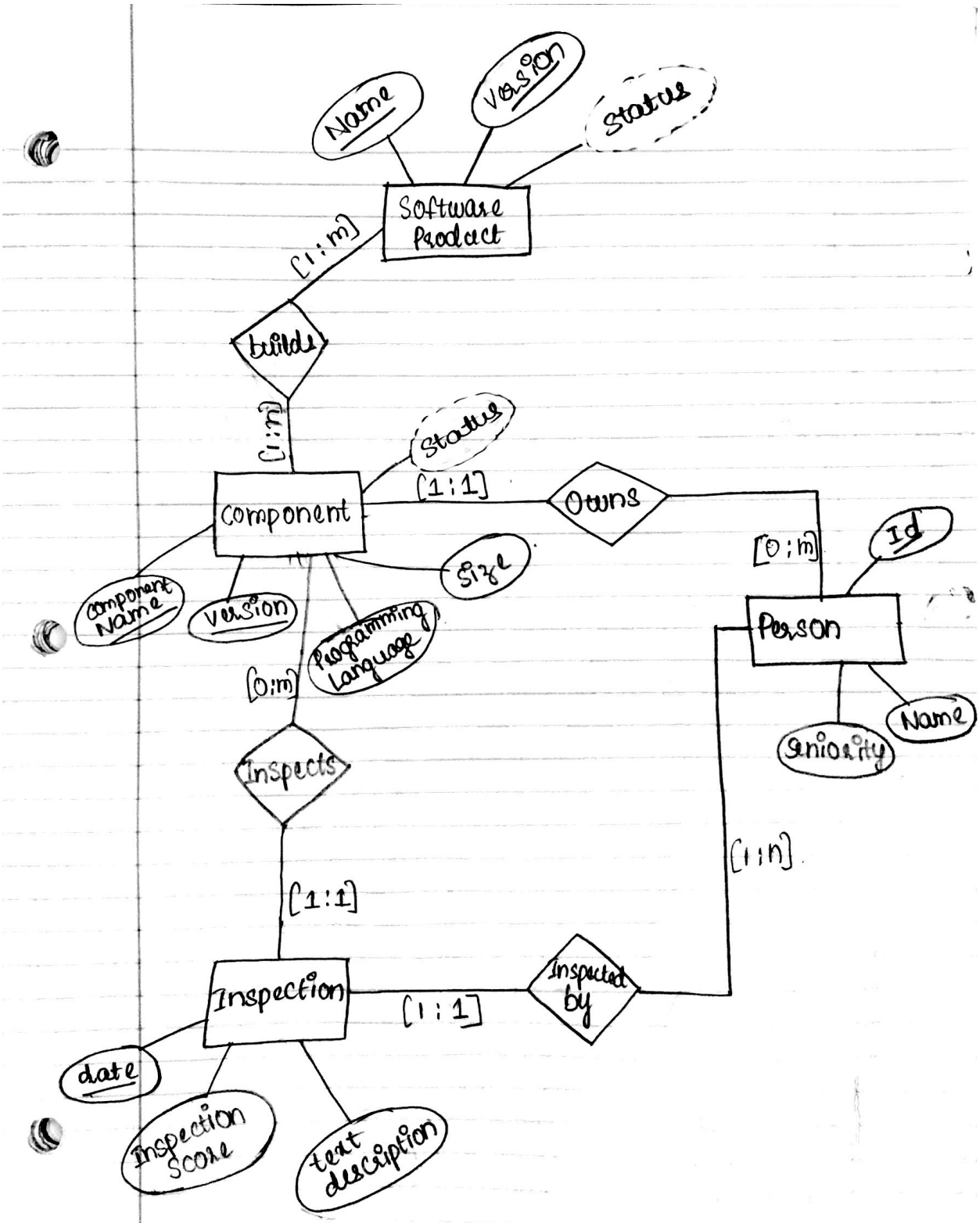
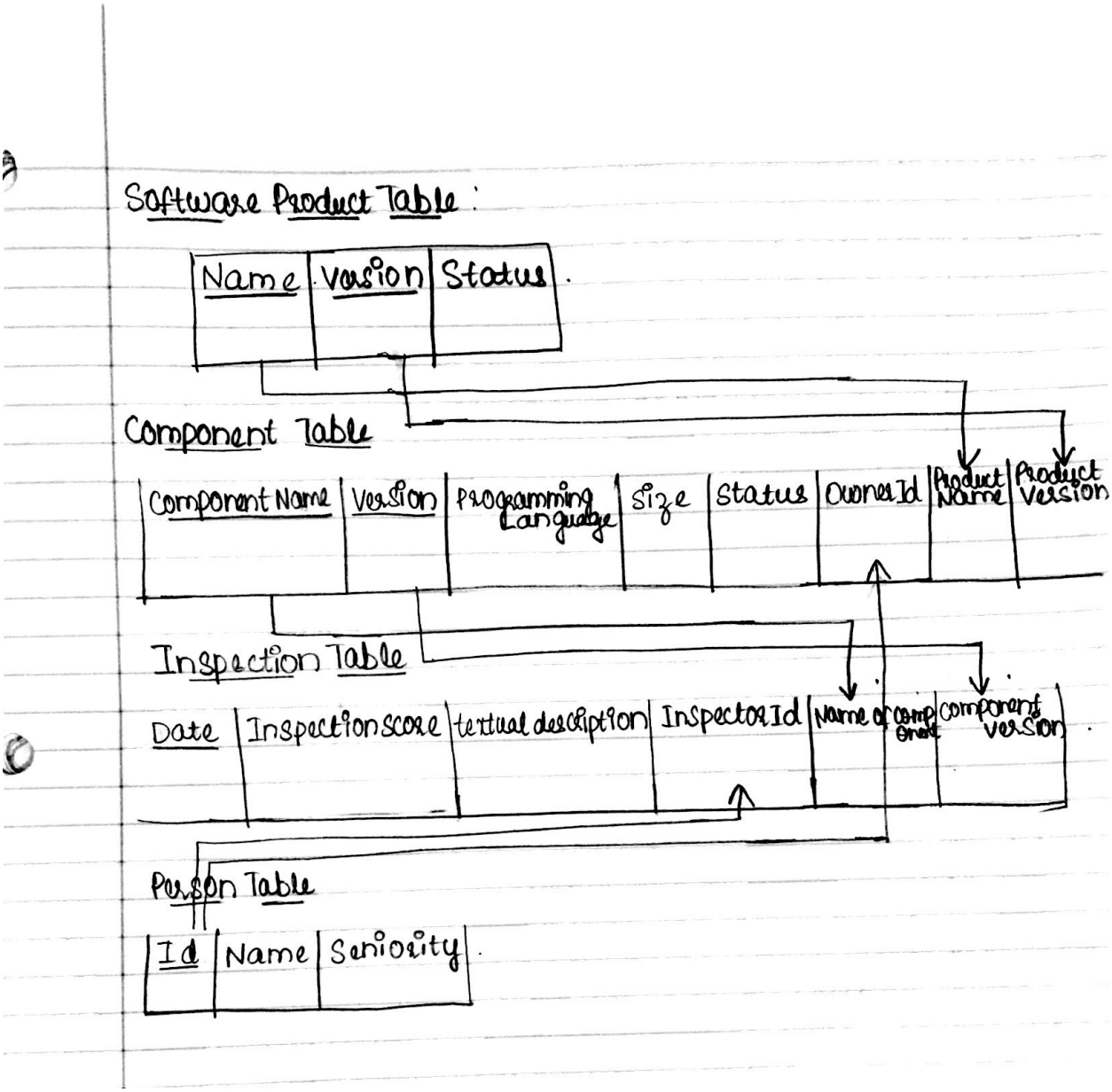
Please find the ER diagram in the next page


Name
Version
Status
Software Product
[1:m]
builds
[1:n]
Status
Component
[1:1]
Owns
[0:m]
Id
Person
Size
Component Name
Version
Programming Language
[0:m]
Inspects
Seniority
Name
[1:n]
[1:1]
Inspection
[1:1]
Inspected by
date
Inspection Score
text description



Here in the above ER diagram we have one-to-many relation between the person and Inspection. An extra column should be added at the many side. So I added an extra column Inspector Id in the table Inspection. Inspector Id is foreign key in Inspection Table and it is primary key in Person Table as Id.
Similarly we have one-to-many relation between Person Table and Component Table. So I added a column OwnerId in the Component Table. OwnerId is foreign key in Component Table and Primary key in Person Table as Id.

Component Table has one-to-many relation with Inspection Table. So, added the Columns Name of the Component and the Component Version in the Inspection Table. These are foreign keys in Inspection table and Composite Primary key in Component Table.
Also, Software Product Table and Component Table has many-to-many relation. So, we can add columns either sides.
So I added ProductName and ProductVersion in the component table which are the foreign keys in Component Table and Composite Primary key in Software Product