

Day 19

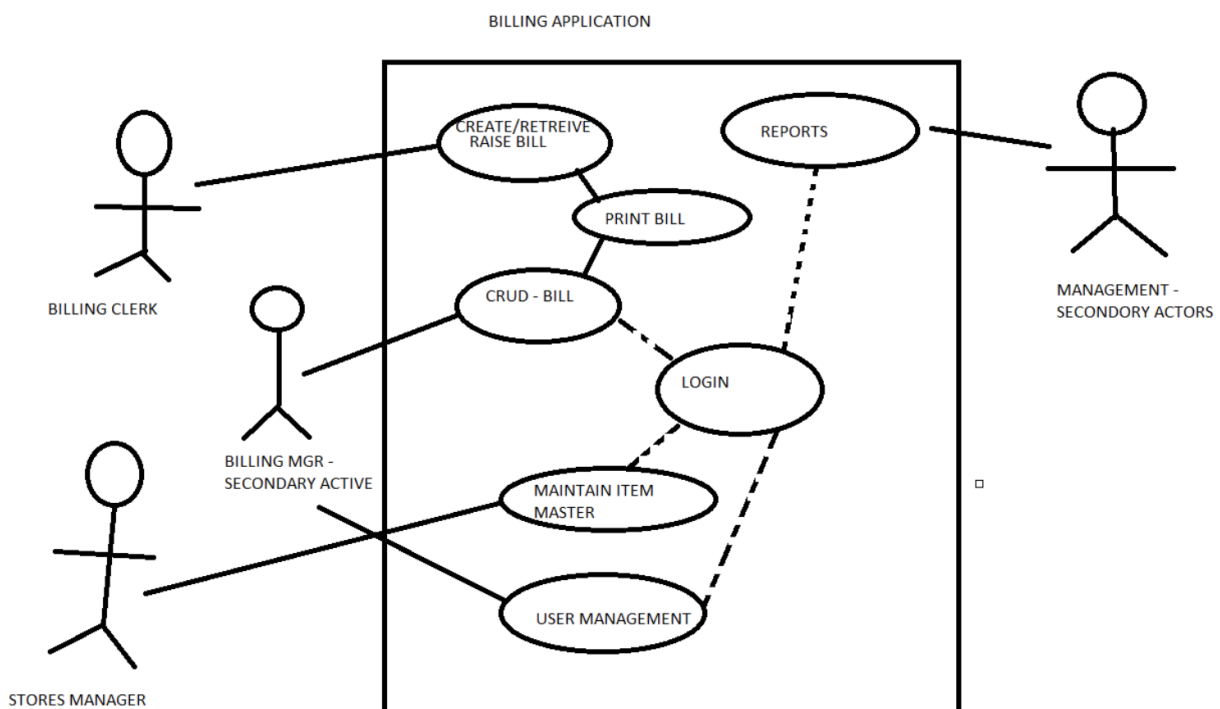
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🏷️ Tags	Java

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Normalization

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Normalisation steps

- List out all the fields in the invoice.

- invno - PK
- invdate
- customerid
- customername
- customeraddress
- discount
- The moment you have a set of fields, immediately find a unique key (a key which can be used as an identity)
- Identifying the primary key
- Remove all the calculated fields.
- From the list of the fields, identify those fields whose field value getting added multiple times in the same invoice and make them as a separate table.
- invno - PK
- itemid - PK
- qty
- The moment you have a separate table, identify a linking key between the two tables
- now again find out the primary key for this new table
- since no key is unique - we go for composite key
- the moment you have a composite key
- Identify those fields which are partially dependent on the composite key, or more dependant on any one key
- remove those fields and make them as a separate table
- itemid - PK
- itemdesc
- unit
- price

- the new table needs a linking key
- identify the primary-key Now go back to the first table, identify all those fields which are not fully dependent on the primary key
- customer id- PK
- customername
- customeraddress
- find the linking key
- identify the primary key
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