

Relational DB sketch

LOGIN + SIGN UP

User

- username
- password
- email
- is_active (true or false)

Service Package

- id
- name

Val. Period

- months number (12, 24 or 36)
- monthly fee (20, 18 or 15)

Optional Product

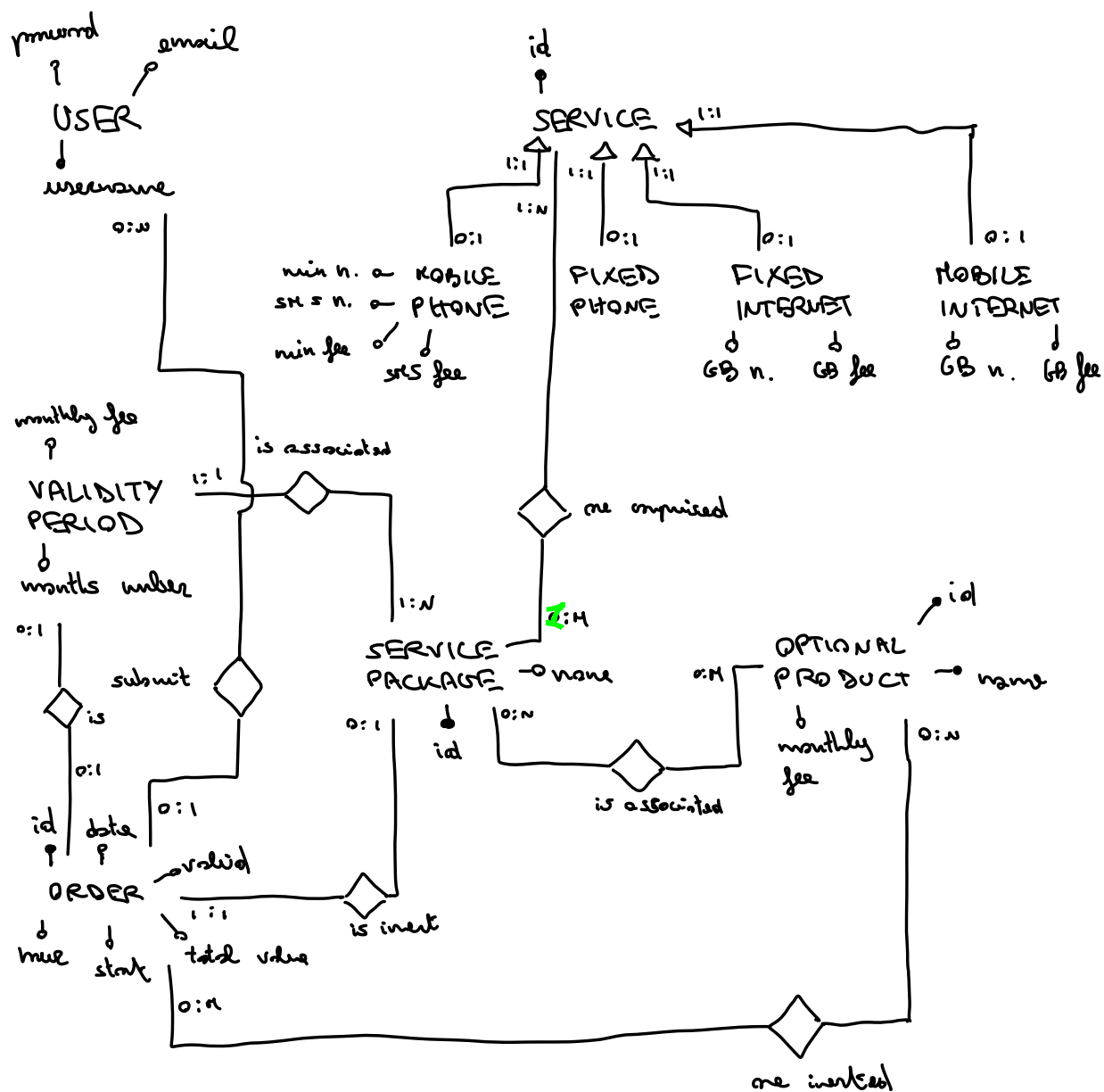
- name
- monthly fee

Order

- id
- service_pkg_id
- timer_start
- val. period
- user_username
- opt. product(s) list
- total fee value
- start date
- work (valid, invalid)

Service

- type = fixed phone
mobile phone
- minution numb.
- SMS numb.
- extra min fee
- extra SMS fee
- mobile / fixed internet
- GB numb.
- extra GB fee



Notes

- Identified SERVICE as an IS-A hierarchy and add an attribute id to identify each service
- Add an id attribute to optional product to identify it

- validity period is work against the service package it is associated with.
- Build the relationship between service package and validity period as a manyToMany because many val. period are associated and a serv. pack could have more than one val. period.
- or ... each serv. package has a single val. period.