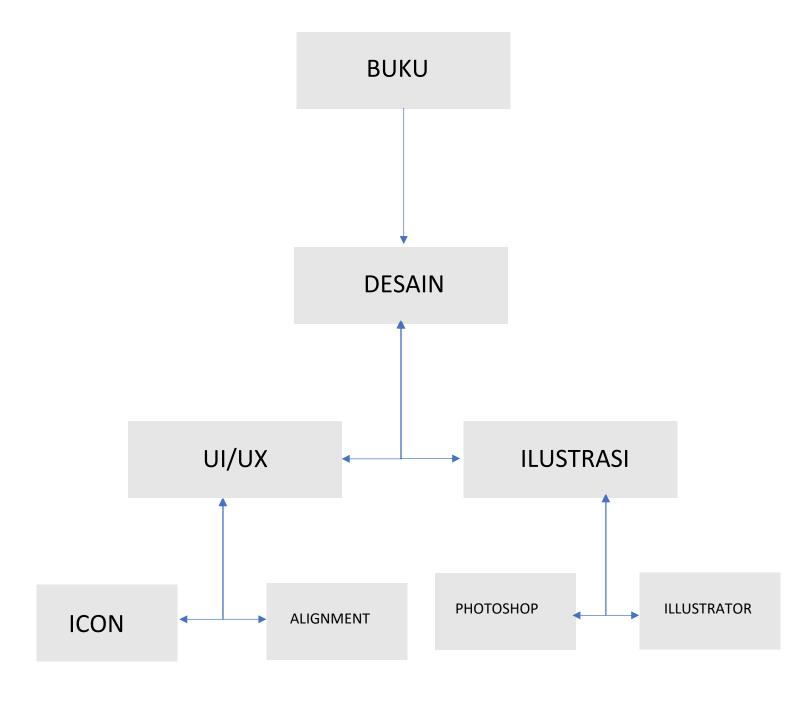
Nama: Khusnul Chuluq

NIM : 17050623010

Prodi : D3 Manajemen Informatika



----- Model Tree Structures with Parent References

----- Model Tree Structures with Child References ------

```
Command Prompt - mongo
   show dbs
 admin
                        0.000GB
 buku_withPR 0.000GB
  config
local
                        0.000GB
                         0.000GB
                        0.000GB
 njajal
 onetomany
                        0.000GB
 pinjam_buku 0.000GB
                        0.000GB
  test
  use buku_withCR
switched to db buku_withCR
> db.categories.insert( { _id: "photoshop", children: [] } )
WriteResult({ "nInserted" : 1 })
> db.categories.insert( { _id: "illustrator", children: [] } )
WriteResult({ "nInserted" : 1 })
> db.categories.insert( { _id: "ilustrasi", children: [ "photoshop", "illustrator" ] } )
WriteResult({ "nInserted" : 1 })
> db.categories.insert( { _id: "ui/ux", children: [] } )
WriteResult({ "nInserted" : 1 })
> db.categories.insert( { _id: "desain", children: [ "ilustrasi", "ui/ux" ] } )
WriteResult({ "nInserted" : 1 })
> db.categories.insert( { _id: "buku", children: [ "desain" ] } )
WriteResult({ "nInserted" : 1 })
> db.categories.insert( { _id: "buku", children: [ "desain" ] } )
  switched to db buku_withCR
       db.categories.findOne( { id: "ilustrasi" } ).children
       "photoshop", "illustrator" ]
      db.buku_withCR.createIndex( { children: 1 } )
                       "createdCollectionAutomatically" : true,
                       "numIndexesBefore": 1,
                       "numIndexesAfter" : 2,
                       "ok" : 1
```

----- Model Tree Structures with An Array Of Ancestor

----- Model Tree Structures with Materialized Paths ------

```
admin 0.000CGB
buku_withAA 0.00CGB
buku_withCR 0.00CGB
buku_withCR 0.00CGB
buku_withCR 0.00CGB
coreal 0.00CGB
c
```