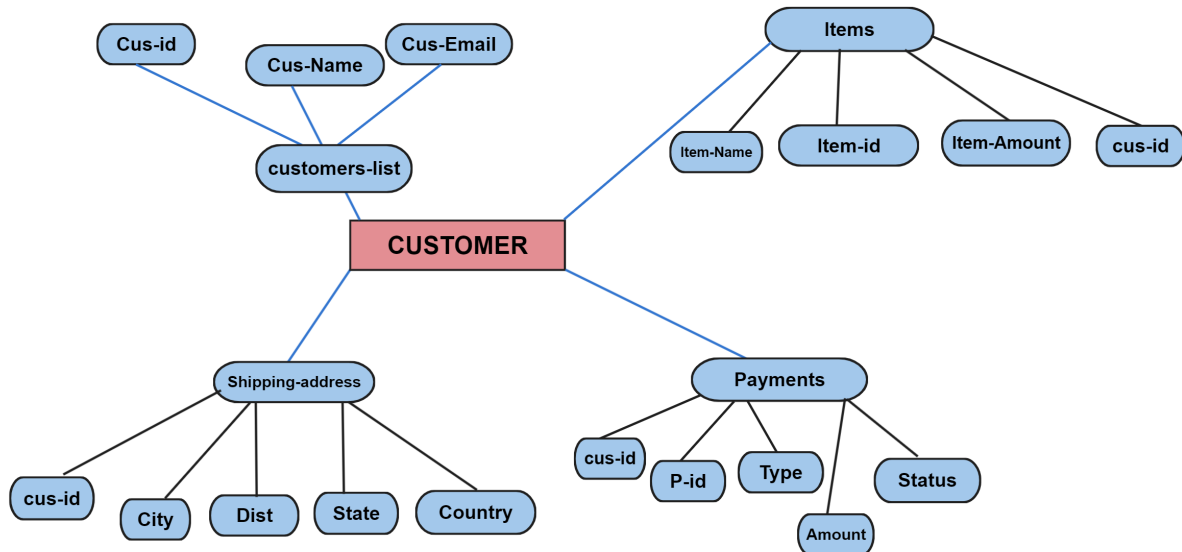


Mongo DB Project

Entity Diagram :



Database Creation :

```
> use Customer
> db.createCollection("customerList")
> db.createCollection("items")
> db.createCollection("payments")
> db.createCollection("shipping-address")
> show collections
```

```
customerList
items
payments
shipping-address
```

insertOne() & insertMany() :

```
> db.customerList.insertMany([
  {cus_id:1,cus_name:"Azmath",cus_email:"azmath@gmail.com"},
  {cus_id:2,cus_name:"Soujanya",cus_email:"soujanya@gmail.com"},
  {cus_id:3,cus_name:"Tejas",cus_email:"tejas@gmail.com"},
  {cus_id:4,cus_name:"Ambuja",cus_email:"ambuja@gmail.com"}
])
```

```
acknowledged: true,
  insertedIds: {
    '0': ObjectId("64525fa740cd79523843e213"),
    '1': ObjectId("64525fa740cd79523843e214"),
    '2': ObjectId("64525fa740cd79523843e215"),
    '3': ObjectId("64525fa740cd79523843e216")
  }
}
```

```
> db.customerList.find()
```

```
[
  {
    _id: ObjectId("64525fa740cd79523843e213"),
    cus_id: 1,
    cus_name: 'Azmath',
    cus_email: 'azmath@gmail.com'
  },
  {
    _id: ObjectId("64525fa740cd79523843e214"),
    cus_id: 2,
    cus_name: 'Soujanya',
    cus_email: 'soujanya@gmail.com'
  },
  {
    _id: ObjectId("64525fa740cd79523843e215"),
    cus_id: 3,
    cus_name: 'Tejas',
    cus_email: 'tejas@gmail.com'
  },
  {
    _id: ObjectId("64525fa740cd79523843e216"),
    cus_id: 4,
    cus_name: 'Ambuja',
    cus_email: 'ambuja@gmail.com'
  }
]
```

```
> db.customerList.find({cus_name:"Tejas"})
```

```
[
  {
    _id: ObjectId("64525fa740cd79523843e215"),
    cus_id: 3,
    cus_name: 'Tejas',
    cus_email: 'tejas@gmail.com'
  }
]
```

```
> db.customerList.find({cus_id:{$lt:3}})
```

```
[
  {
    _id: ObjectId("64525fa740cd79523843e213"),
    cus_id: 1,
    cus_name: 'Azmath',
    cus_email: 'azmath@gmail.com'
  },
  {
    _id: ObjectId("64525fa740cd79523843e214"),
    cus_id: 2,
    cus_name: 'Soujanya',
    cus_email: 'soujanya@gmail.com'
  }
]
```

```
> db.items.insertMany(
  [{cus_id:1,item_id:101,item_name:"Rolex-watch",item_amount:1833742},
  {cus_id:2,item_id:105,item_name:"Asus-Laptop",item_amount:60000},
  {cus_id:3,item_id:121,item_name:"Mobile-Phone",item_amount:18332},
  {cus_id:4,item_id:125,item_name:"i-phone14",item_amount:110100}]
)
```

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6452647040cd79523843e217"),
    '1': ObjectId("6452647040cd79523843e218"),
    '2': ObjectId("6452647040cd79523843e219"),
    '3': ObjectId("6452647040cd79523843e21a")
  }
}
```

```
> db.items.find()
```

```
[
  {
    _id: ObjectId("6452647040cd79523843e217"),
    cus_id: 1,
    item_id: 101,
    item_name: 'Rolex-watch',
    item_amount: 1833742
  },
  {
    _id: ObjectId("6452647040cd79523843e218"),
    cus_id: 2,
    item_id: 105,
    item_name: 'Asus-Laptop',
    item_amount: 60000
  },
  {
    _id: ObjectId("6452647040cd79523843e219"),
    cus_id: 3,
    item_id: 121,
    item_name: 'Mobile-Phone',
    item_amount: 18332
  },
  {
    _id: ObjectId("6452647040cd79523843e21a"),
    cus_id: 4,
    item_id: 125,
    item_name: 'i-phone14',
    item_amount: 110100
  }
]
```

```
> db.items.find({item_id:{$in:[125,101]}})
```

```
[
  {
    _id: ObjectId("6452647040cd79523843e217"),
    cus_id: 1,
    item_id: 101,
    item_name: 'Rolex-watch',
    item_amount: 1833742
  },
  {
    _id: ObjectId("6452647040cd79523843e21a"),
    cus_id: 4,
    item_id: 125,
    item_name: 'i-phone14',
    item_amount: 110100
  }
]
```

```
> db.items.find({item_id:{$nin:[125,101]}})
```

```
[
  {
    _id: ObjectId("6452647040cd79523843e218"),
    cus_id: 2,
    item_id: 105,
    item_name: 'Asus-Laptop',
    item_amount: 60000
  },
  {
    _id: ObjectId("6452647040cd79523843e219"),
    cus_id: 3,
    item_id: 121,
    item_name: 'Mobile-Phone',
    item_amount: 18332
  }
]
```

```
> db.payments.insertOne(
```

```
{cus_id:1,p_id:10,p_type:"online-payment",amount:1833742,status:"paid"}
```

```
)
```

```
{
  acknowledged: true,
  insertedId: ObjectId("6452680a40cd79523843e21b")
}
```

```
> db.payments.insertMany(
```

```
 [{cus_id:2,p_id:13,p_type:"cash-payment",amount:60000,status:"pending"},
 {cus_id:3,p_id:15,p_type:"cash-payment",amount:18332,status:"fail"},
 {cus_id:4,p_id:17,p_type:"online-payment",amount:110100,status:"paid"}]
```

```
)
```

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6452688b40cd79523843e21c"),
    '1': ObjectId("6452688b40cd79523843e21d"),
    '2': ObjectId("6452688b40cd79523843e21e")
  }
}
```

find()

```
> db.payments.find()
```

```
[
  {
    _id: ObjectId("6452680a40cd79523843e21b"),
    cus_id: 1,
    p_id: 10,
    p_type: 'online-payment',
    amount: 1833742,
    status: 'paid'
  },
  {
    _id: ObjectId("6452688b40cd79523843e21c"),
    cus_id: 2,
    p_id: 13,
    p_type: 'cash-payment',
    amount: 60000,
    status: 'pending'
  },
  {
    _id: ObjectId("6452688b40cd79523843e21d"),
    cus_id: 3,
    p_id: 15,
    p_type: 'cash-payment',
    amount: 18332,
    status: 'fail'
  },
  {
    _id: ObjectId("6452688b40cd79523843e21e"),
    cus_id: 4,
    p_id: 17,
    p_type: 'online-payment',
    amount: 110100,
    status: 'paid'
  }
]
```

```
> db.payments.find({'$and': [{p_id:{$gt:13}}, {p_id:{$lt:20}}]})
```

```
[
  {
    _id: ObjectId("6452688b40cd79523843e21d"),
    cus_id: 3,
    p_id: 15,
    p_type: 'cash-payment',
    amount: 18332,
    status: 'fail'
  },
  {
    _id: ObjectId("6452688b40cd79523843e21e"),

```

```

    cus_id: 4,
    p_id: 17,
    p_type: 'online-payment',
    amount: 110100,
    status: 'paid'
  }
]

```

```
> db.payments.find({$or:[{p_id:{$gt:13}}, {p_id:{$lt:20}}]}, {cus_id:1,_id:0})
```

```
[ { cus_id: 1 }, { cus_id: 2 }, { cus_id: 3 }, { cus_id: 4 } ]
```

updateOne() & updateMany()

```
> db.payments.updateOne({status:"paid" },{$set:{name : "Ash"}})
```

```

{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}

> db.payments.find()

{
  _id: ObjectId("645b8514ecee3e0310972c1e"),
  cus_id: 4,
  p_id: 17,
  p_type: 'online-payment',
  amount: 110100,
  status: 'paid',
  name: 'Ash'
}

```

aggregate()

```
> db.payments.aggregate([{$group:{_id:"$cus_id", p_type:{$sum:"$amount"}}}])
```

```

[
  { _id: 3, p_type: 18332 },
  { _id: 4, p_type: 110100 },
  { _id: 2, p_type: 60000 }
]

```

deleteOne() & deleteMany()

```
> db.payments.deleteOne({name:"Ash"})
```

```
{ acknowledged: true, deletedCount: 1 }
```

```
> db.payments.deleteMany({})
```

```
{ acknowledged: true, deletedCount: 2 }
```

```
> db.shipping_address.insertMany(
```

```
[{cus_id: 1,city: 'banglore',dist: 'banglore',state: 'karnata',country: 'india'},  
{cus_id: 2,city: 'manglore',dist: 'manglore',state: 'karnataka',country: 'india'},  
{cus_id: 3,city: 'banglore',dist: 'banglore',state: 'karnata',country: 'india'},  
{cus_id: 4,city: 'mysore',dist: 'mysore',state: 'karnataka',country: 'india'}]  
)
```

```
{  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId("64526ac240cd79523843e21f"),  
    '1': ObjectId("64526ac240cd79523843e220"),  
    '2': ObjectId("64526ac240cd79523843e221"),  
    '3': ObjectId("64526ac240cd79523843e222")  
  }  
}
```

```
> db.shipping_address.find()
```

```
[  
  {  
    _id: ObjectId("64526ac240cd79523843e21f"),  
    cus_id: 1,  
    city: 'banglore',  
    dist: 'banglore',  
    state: 'karnata',  
    country: 'india'  
  },  
  {  
    _id: ObjectId("64526ac240cd79523843e220"),  
    cus_id: 2,  
    city: 'manglore',  
    dist: 'manglore',  
    state: 'karnataka',  
    country: 'india'  
  }  
]
```



```
    city: 'manglore',
    dist: 'manglore',
    state: 'karnataka',
    country: 'india'
  },
  {
    _id: ObjectId("64526ac240cd79523843e221"),
    cus_id: 3,
    city: 'banglore',
    dist: 'banglore',
    state: 'karnata',
    country: 'india'
  },
  {
    _id: ObjectId("64526ac240cd79523843e222"),
    cus_id: 4,
    city: 'mysore',
    dist: 'mysore',
    state: 'karnataka',
    country: 'india'
  }
]
```