

Model Relationship between Documents



One to one relationship with embedded document

- Data in MongoDB has a *flexible schema*.
- Collections do not enforce document structure.
- Decisions that affect how you model data can affect application performance and database capacity.

```
{  
  "_id": "mary",  
  "name": "mary king"  
}  
  
{  
  "doc_id": "mary",  
  "street": "456 street",  
  "city": "xyz",  
  "state": "ab",  
  "pincode": 118945  
}
```

```
{  
  "_id": "mary",  
  "name": "mary king",  
  "address": {  
    "street": "456",  
  
    "city": "xyz",  
    "state": "ab",  
    "pincode":  
      118945  
  }  
}
```


One to many relationship with embedded document

```
{
  "_id": "mary",
  "name": "mary king"
}
{
  "doc_id": "mary",
  "street": "456 street",
  "city": "xyz",
  "state": "ab",
  "pincode": 118945
}
{
  "doc_id": "mary",
  "street": "890 street",
  "city": "abc",
  "state": "pq",
  "pincode": 134532
}
```

```
{
  "_id": "mary",
  "name": "mary king",
  "address": [{
    "street": "456 street",
    "city": "xyz",
    "state": "ab",
    "pincode": 118945
  },
  {
    "street": "890 street",
    "city": "abc",
    "state": "pq",
    "pincode": 134532
  }
]
```

One to many relationship with document reference

```
{
  "empname": "mary",
  "emp add": "456 street",
  "empsalary": 45000,
  "department": {
    "Depname": "science",
    "Depbuild": 1
  }
}
{
  "empname": "joe",
  "emp add": "890 street",
  "empsalary": 55000,
  "department": {
    "Depname": "science",
    "Depbuild": 1
  }
}
```

```
{
  "Depname": "science",
  "Depbuild": 1,
  "Dep_id": [ 2345, 4566, 3456, ..... ]
}
{
  "_id": 2345,
  "empname": "mary",
  "emp add": "456 street",
  "empsalary": 45000,
}
{
  "_id": 4566,
  "empname": "joe",
  "emp add": "890 street",
  "empsalary": 55000,
}
```