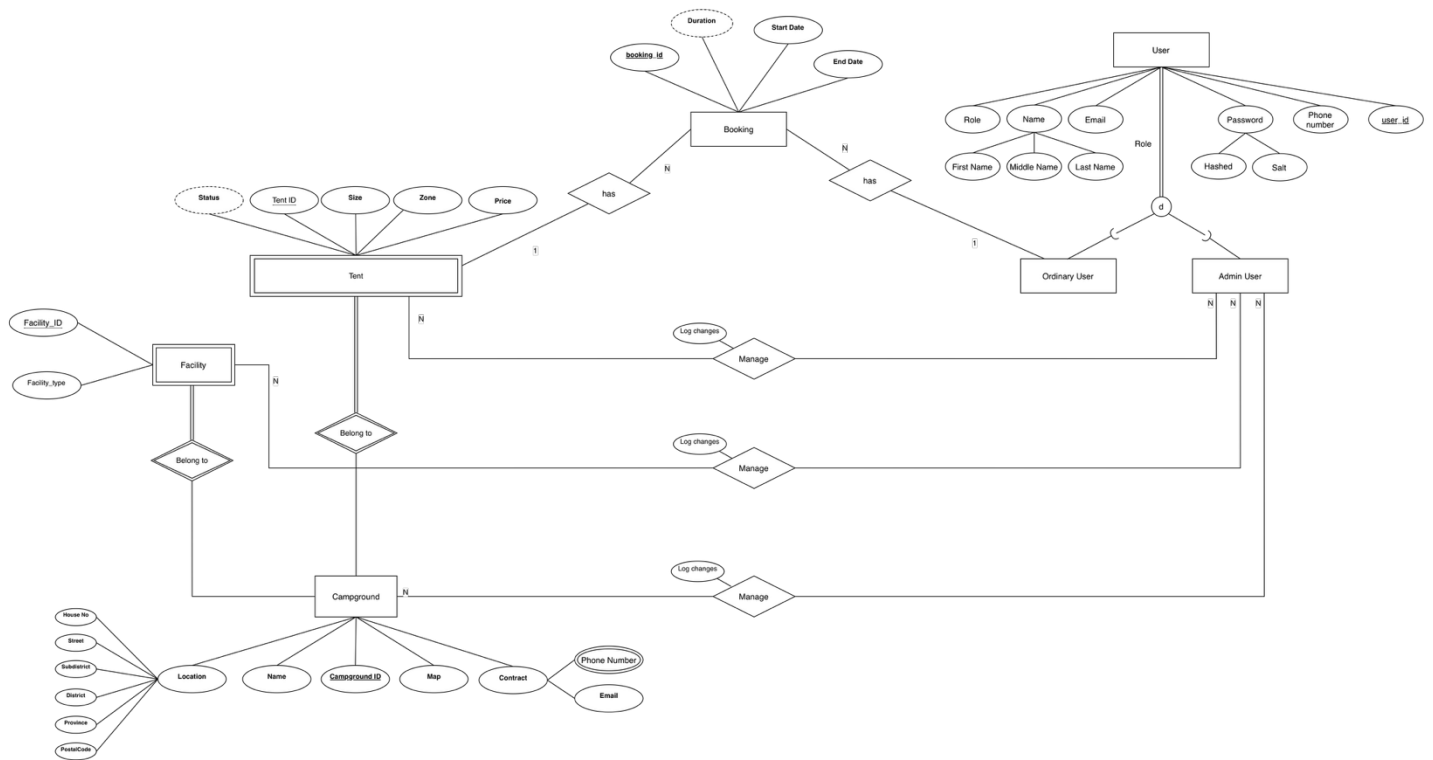# Document Based Schema

Users Collection

```
{
  "title": "users",
  "required": [ "_id", "fname", "lname", "telephone", "email", "password", "role" ],
  "properties": {
    "_id": { "bsonType": "objectId" },
    "fname": { "bsonType": "string" },
    "mname": { "bsonType": "string" },
    "lname": { "bsonType": "string" },
    "telephone": {
      "bsonType": "string",
      "pattern": "^[0-9]{9,10}$"
    },
    "email": {
      "bsonType": "string",
      "pattern": "^.+@.+$"
    },
    "password": { "bsonType": "string" },
    "role": {
      "bsonType": "string",
      "enum": [ "user", "admin" ]
    }
  }
}
```

(has next page)

Campgrounds Collection

```json
{
  "title": "campgrounds",
  "required": [ "_id", "name", "district", "province", "tents" ],
  "properties": {
    "_id": { "bsonType": "objectId" },
    "name": { "bsonType": "string" },
    "address": {
      "bsonType": "object",
      "properties": {
        "house_no": { "bsonType": "string" },
        "street": { "bsonType": "string" },
        "subdistrict": { "bsonType": "string" },
        "district": { "bsonType": "string" },
        "province": { "bsonType": "string" },
        "postal_code": { "bsonType": "string" },
        "map_url": { "bsonType": "string" }
      }
    },
    "contact_email": { "bsonType": "string" },
    "phone_numbers": {
      "bsonType": "array",
      "items": {
        "bsonType": "string",
        "pattern": "^[0-9]{9,10}$"
      }
    },
    "facilities": {
      "bsonType": "array",
      "items": {
        "bsonType": "object",
        "properties": {
          "facility_id": { "bsonType": "int" },
          "facility_type": { "bsonType": "string" }
        }
      }
    },
    "tents": {
      "bsonType": "array",
      "items": {
        "bsonType": "object",
        "required": [ "tent_id", "price" ],
        "properties": {
          "tent_id": { "bsonType": "int" },
          "size": { "bsonType": "string" },
          "zone": { "bsonType": "string" },
          "price": { "bsonType": "decimal" }
        }
      }
    }
  }
}
```

Bookings Collection

```json
{
  "title": "bookings",
  "required": [ "_id", "user_id", "campground_id", "tent_id", "start_date", "end_date" ],
  "properties": {
    "_id": { "bsonType": "objectId" },
    "user_id": { "bsonType": "objectId" },
    "campground_id": { "bsonType": "objectId" },
    "tent_id": { "bsonType": "int" },
    "booking_date": { "bsonType": "date" },
    "start_date": { "bsonType": "date" },
    "end_date": { "bsonType": "date" },
    "status": {
      "bsonType": "string",
      "enum": [ "pending", "confirmed", "cancelled" ]
    }
  }
}
```