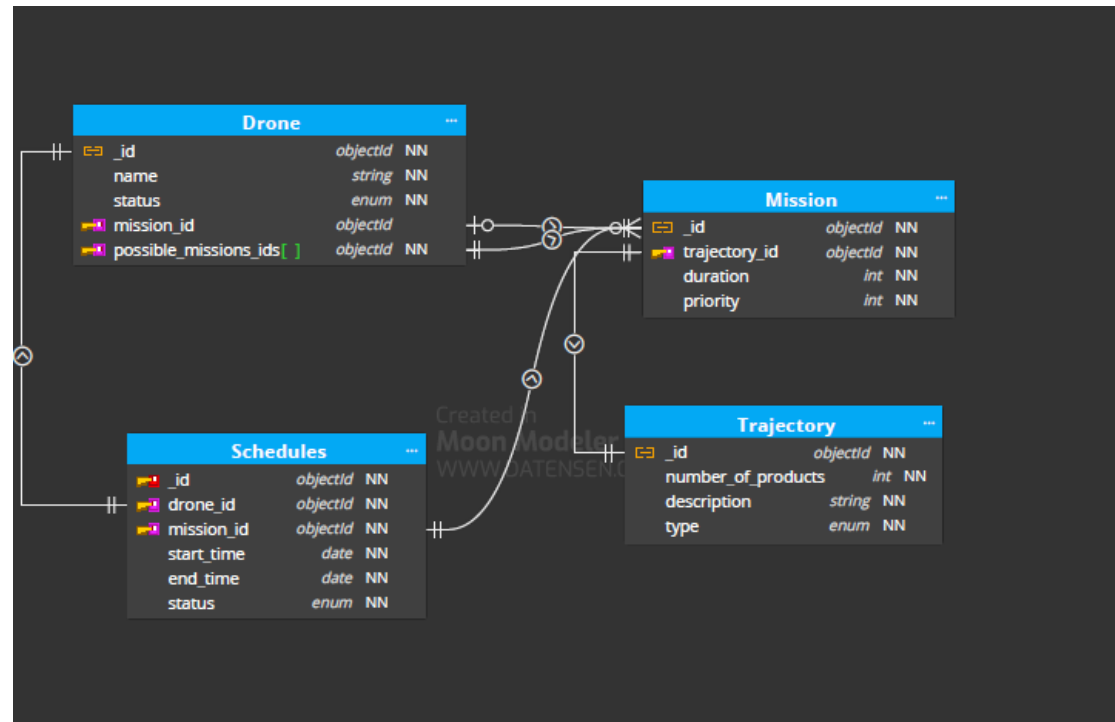


Collections Schema-



Create commands -

```
db.createCollection('Drone', {
  validator: {
    $jsonSchema: {
      bsonType: 'object',
      title: 'Drone',
      required: ['name', 'status', 'possible_missions_ids'],
      properties: {
        name: {
          bsonType: 'string'
        },
        status: {
          enum: ['available', 'on-mission', 'pending']
        },
        mission_id: {
          bsonType: 'objectId'
        },
        possible_missions_ids: {
          bsonType: 'array',
          items: {
            bsonType: 'objectId'
          }
        }
      }
    }
  },
  validationLevel: 'strict',
  validationAction: 'error'
});

db.createCollection('Mission', {
  validator: {
    $jsonSchema: {
      bsonType: 'object',
```

```

        title: 'Mission',
        required: ['trajectory_id', 'duration', 'priority'],
        properties: {
            trajectory_id: {
                bsonType: 'objectId'
            },
            duration: {
                bsonType: 'int'
            },
            priority: {
                bsonType: 'int'
            }
        }
    }
}
});
db.createCollection('Trajectory', {
    validator: {
        $jsonSchema: {
            bsonType: 'object',
            title: 'Trajectory',
            required: ['number_of_products', 'description', 'type'],
            properties: {
                number_of_products: {
                    bsonType: 'int'
                },
                description: {
                    bsonType: 'string'
                },
                type: {
                    enum: ['Straight line', 'Square', 'Zig-zag',
'Roundabout']
                }
            }
        }
    },
    validationLevel: 'strict',
    validationAction: 'error'
});
db.createCollection('Schedules ', {
    validator: {
        $jsonSchema: {
            bsonType: 'object',
            title: 'Schedules ',
            required: ['drone_id', 'mission_id', 'start_time',
'end_time', 'status'],
            properties: {
                drone_id: {
                    bsonType: 'objectId'
                },
                mission_id: {
                    bsonType: 'objectId'
                },
                start_time: {
                    bsonType: 'date'
                },
                end_time: {
                    bsonType: 'date'
                },
                status: {
                    enum: ['in-progress', 'scheduled', 'completed']
                }
            }
        }
    }
});

```

```
        }  
    }  
}  
,  
validationLevel: 'strict',  
validationAction: 'error'  
});
```