



Module 5

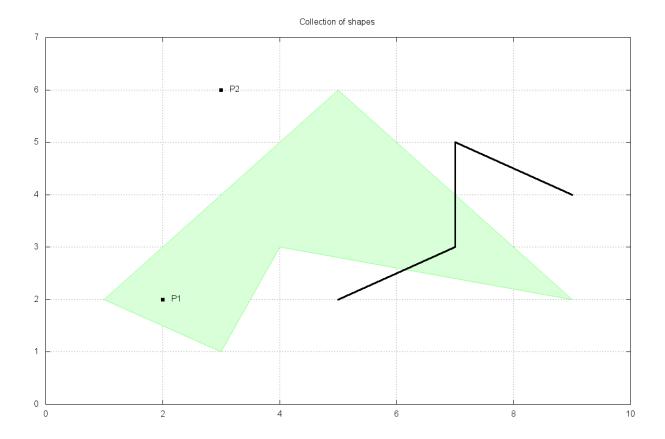
2dsphere indexes

Suppose we have following collection in our database:

We indexed on shape field, and we see the indexes using getIndexes() method:

Here the figure shows you that how we can plot the four different types of different documents:





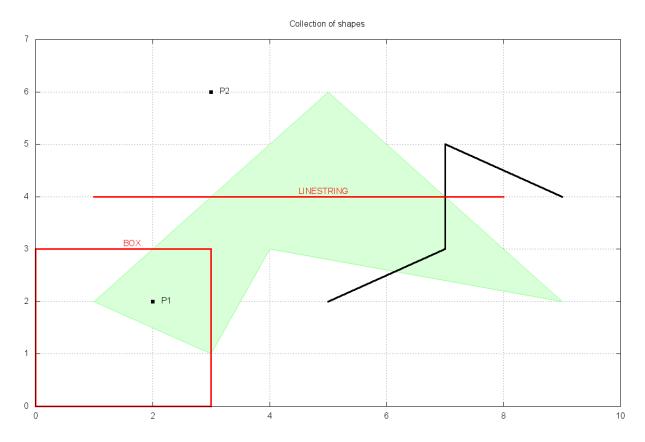
To perform queries with GeoJSON geometries, you can use some new query operators \$geoIntersects and \$geometry. First of all, we define some query geometries:

Like:

```
> BOX = {type: "Polygon", coordinates: [[ [0,0], [3,0], [3,3], [0,3], [0,0] ]] } > LINESTRING = {type: "LineString", coordinates: [[1,4], [8,4]]}
```

We can check the results respectively, that how the box and linestring is displayed in the graph below:





Accordingly we can check the conditions, that this is for "BOX". That this query will display the id's which intersects the BOX.





For linestring, all those id's are displayed which intersect a linestring: