**Team Members:**

Roshini Varada- 26

V H N V R S Sai Pavan -27

**Introduction:**

To perform a CRUD operation using Mongo DB

**Objective**

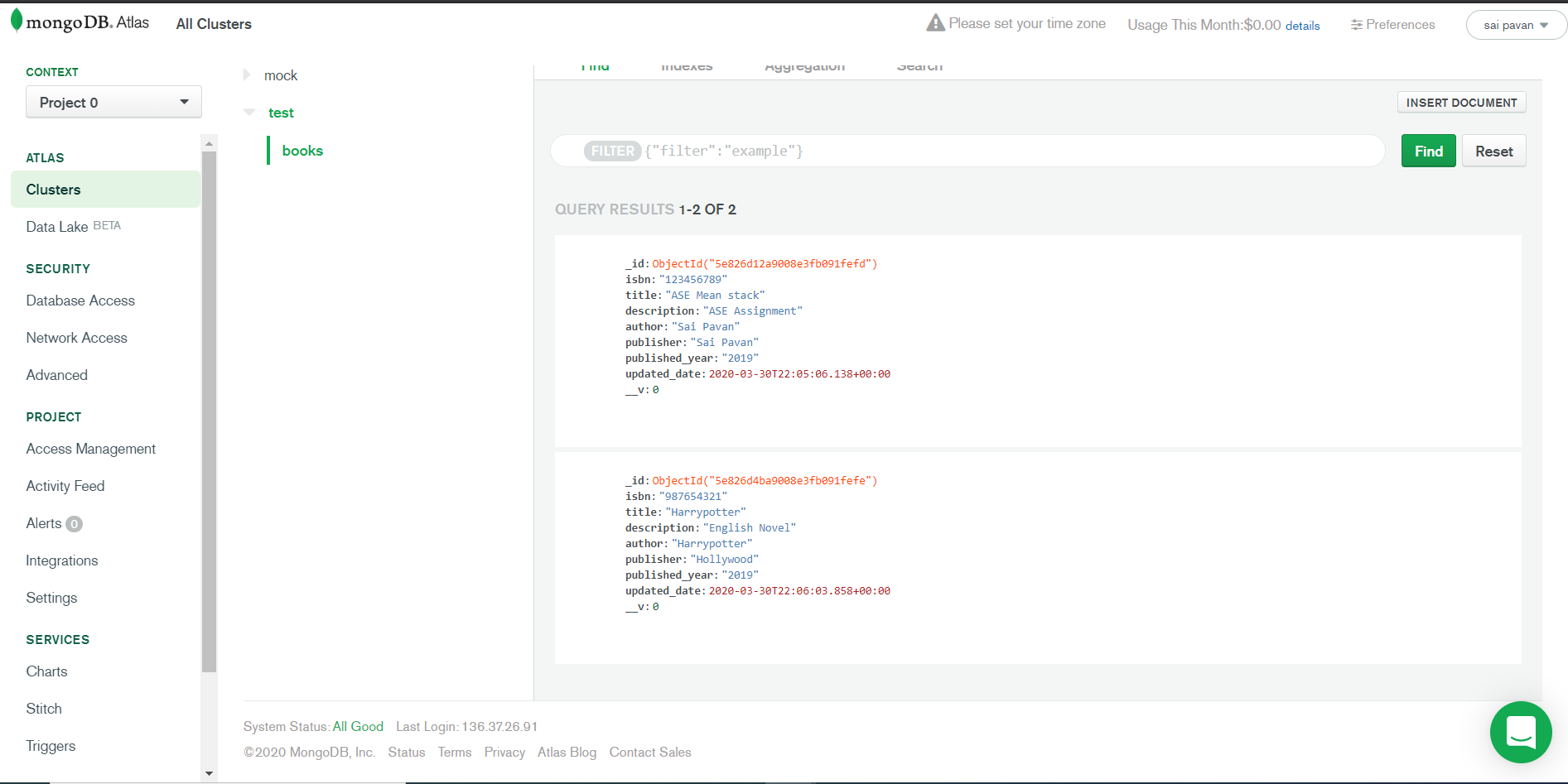
To develop a simple application using Node JS and express framework and perform the CRUD operation using Mongo DB

**Prerequisites:**

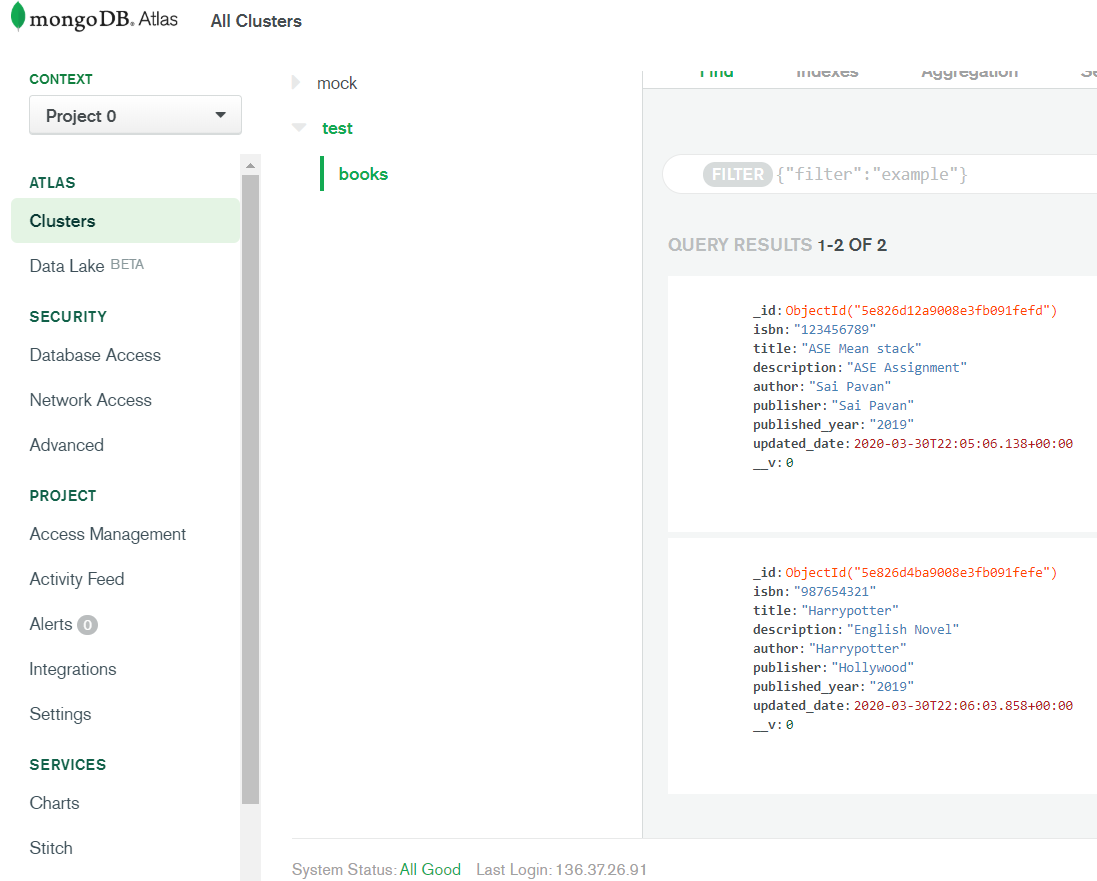
Node JS should be installed in the machine.

**Design and Implementation:**

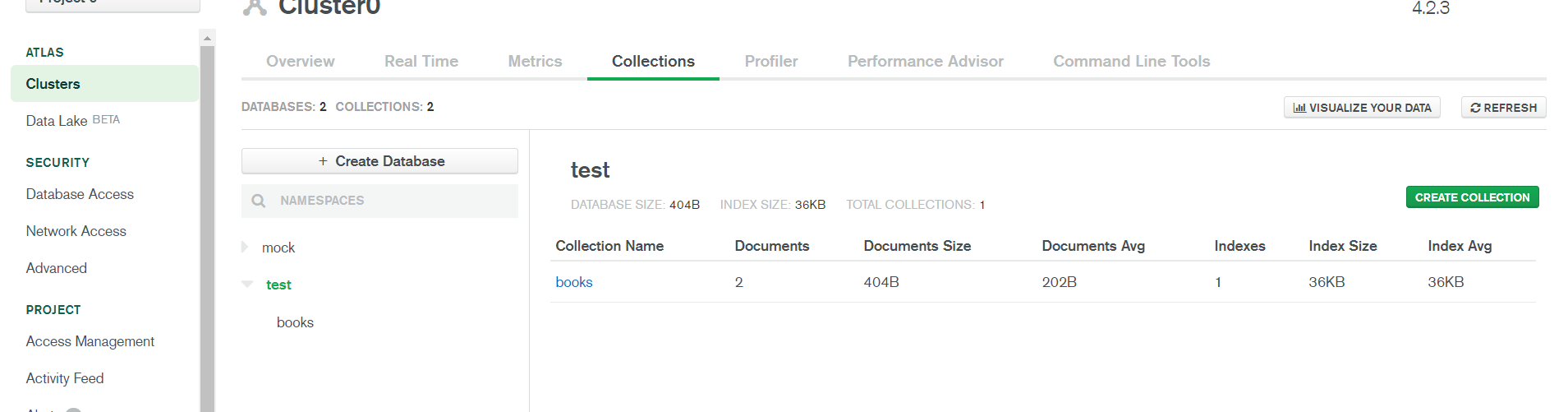
1. Create an account in MongoDB
2. Create a project in the mongo DB



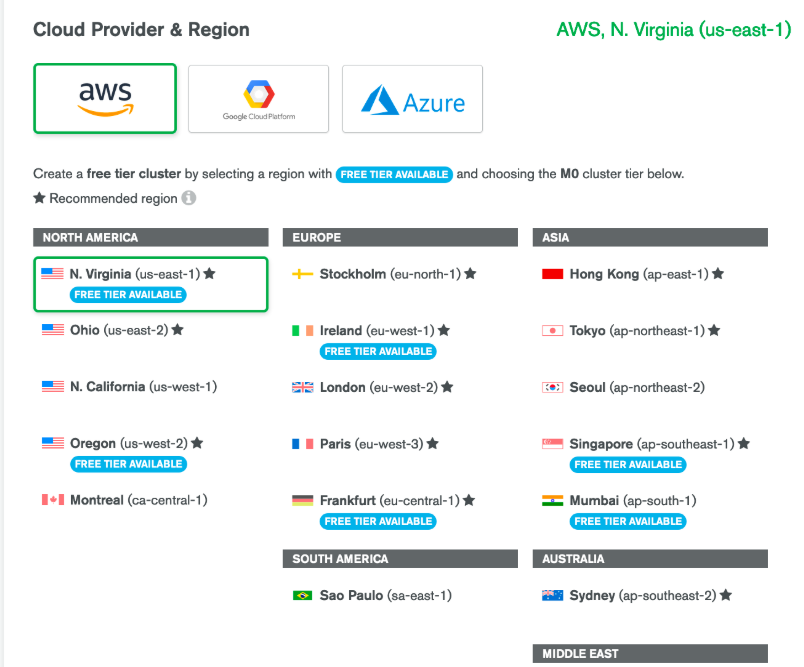
3.Select the project to deploy into your cluster.



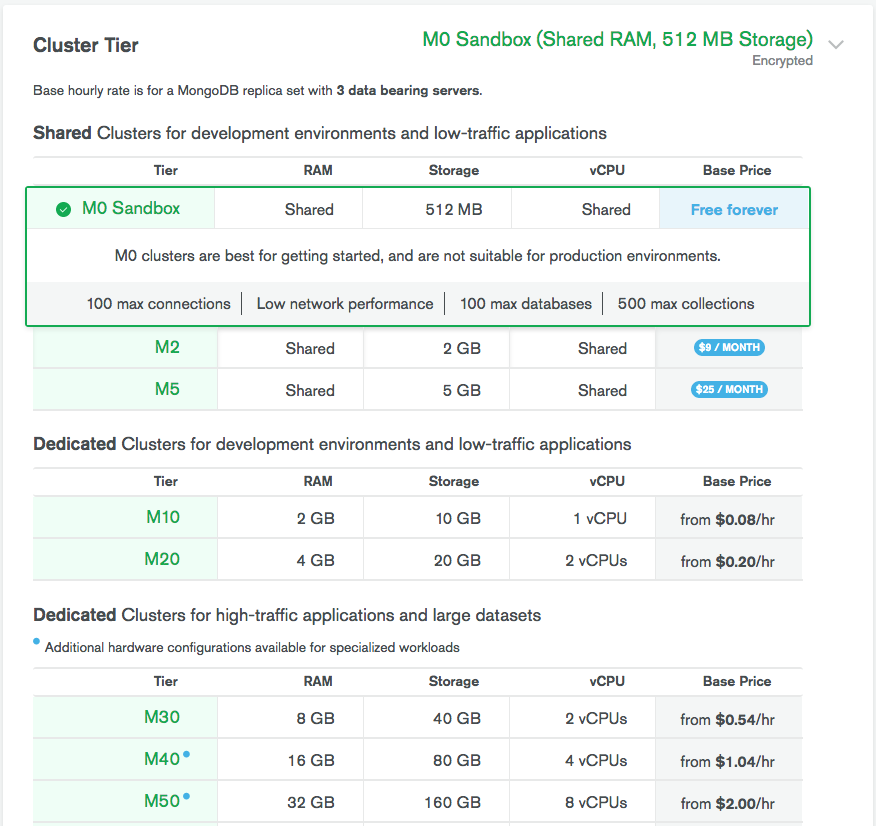
4.Select the cluster type like single region clusters.



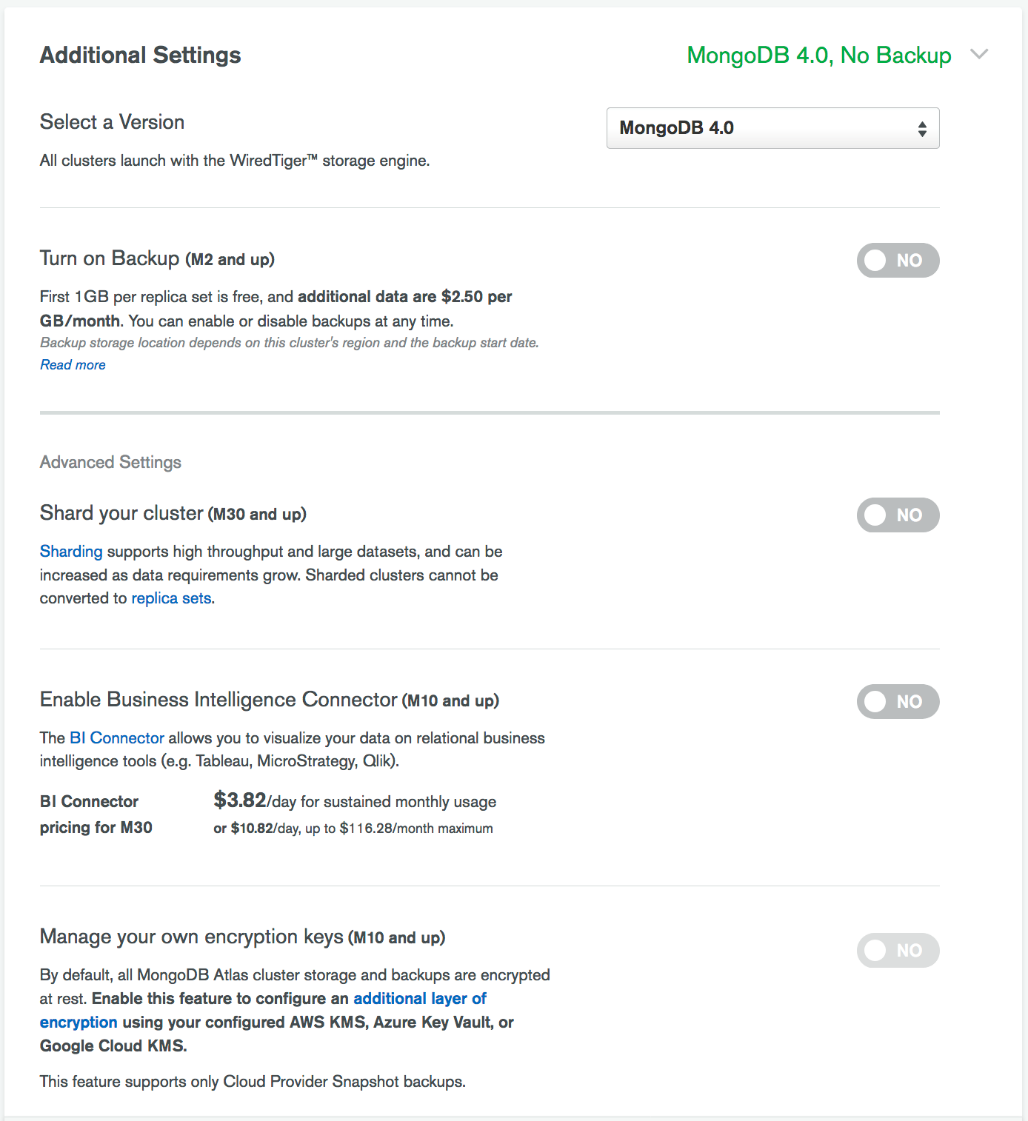
5.Select the cloud provider and the region.



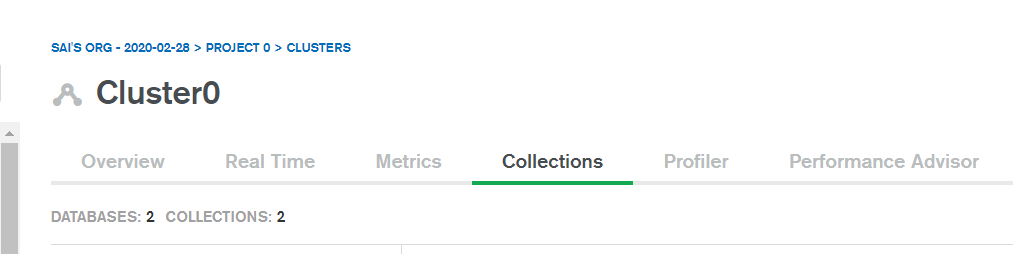
6.Select the cluster tier.



7.Select any additional settings.

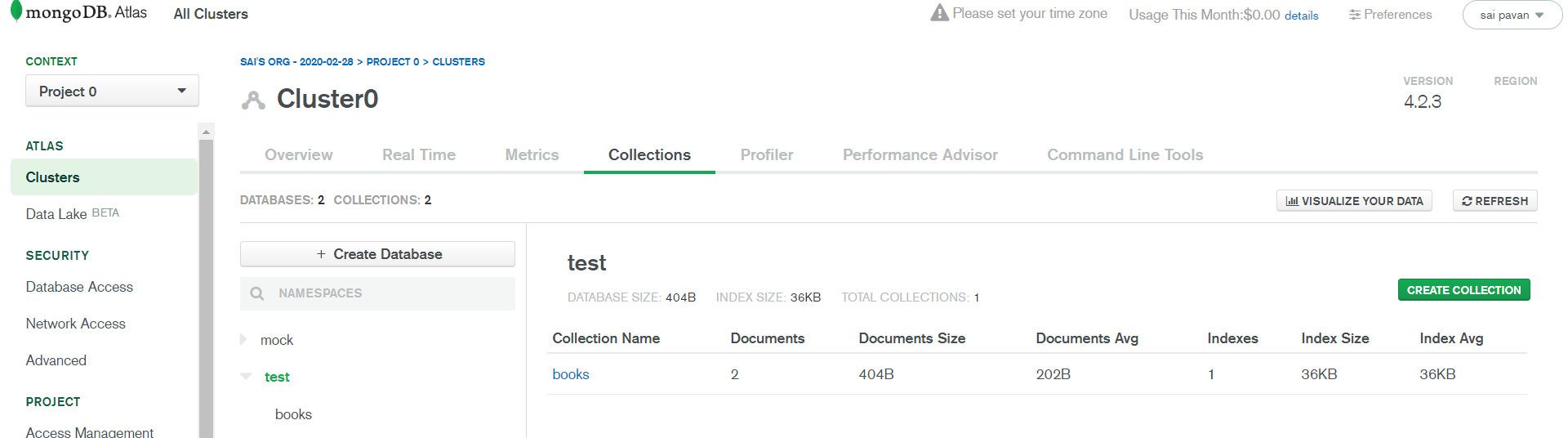


8.Enter the cluster name



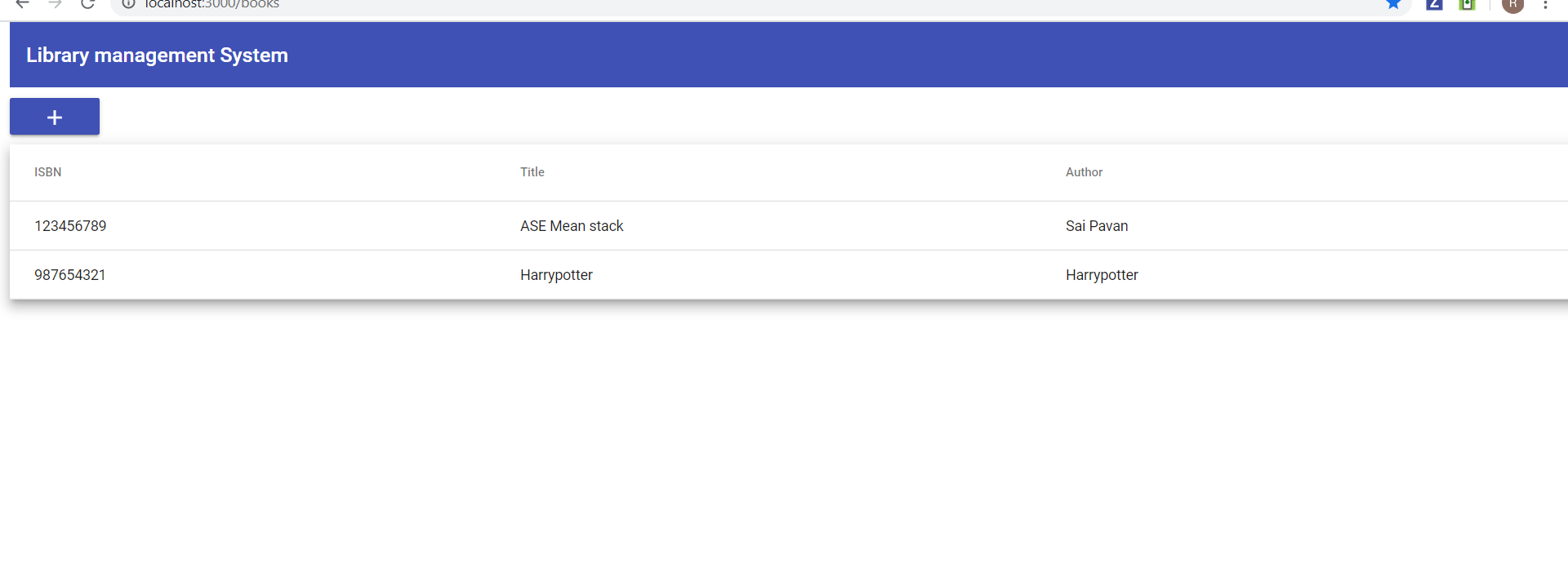
9.Deploy the cluster and update the data by using the end point

mongodb+srv://test:test@cluster0-1baqs.mongodb.net/test?retryWrites=true&w=majority

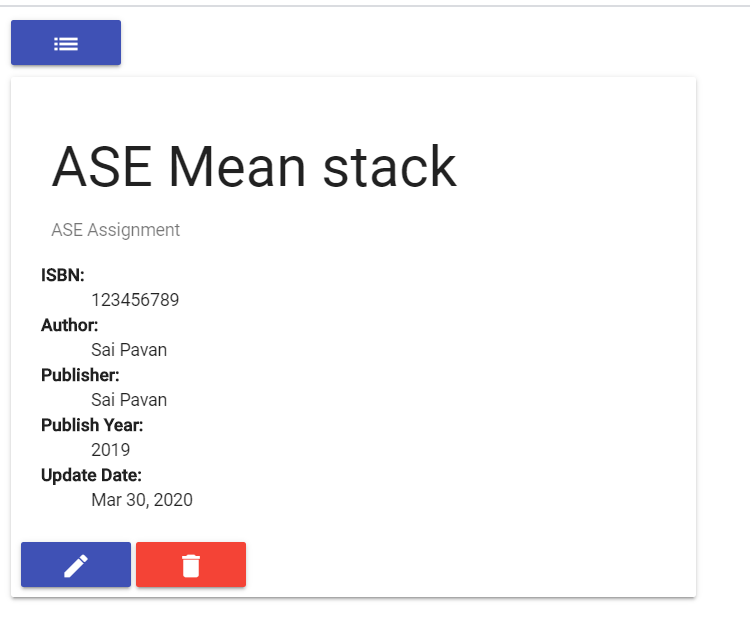


10.The CRUD operation can be performed using angular.

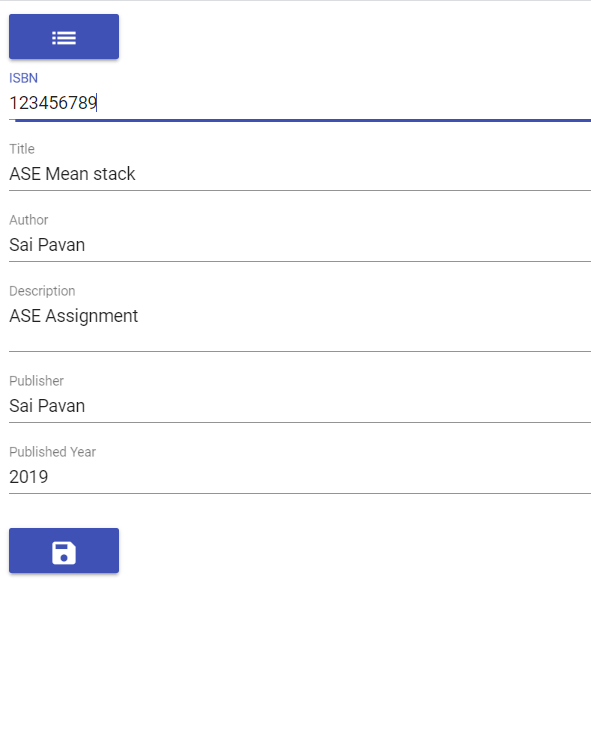
11.Displaying details



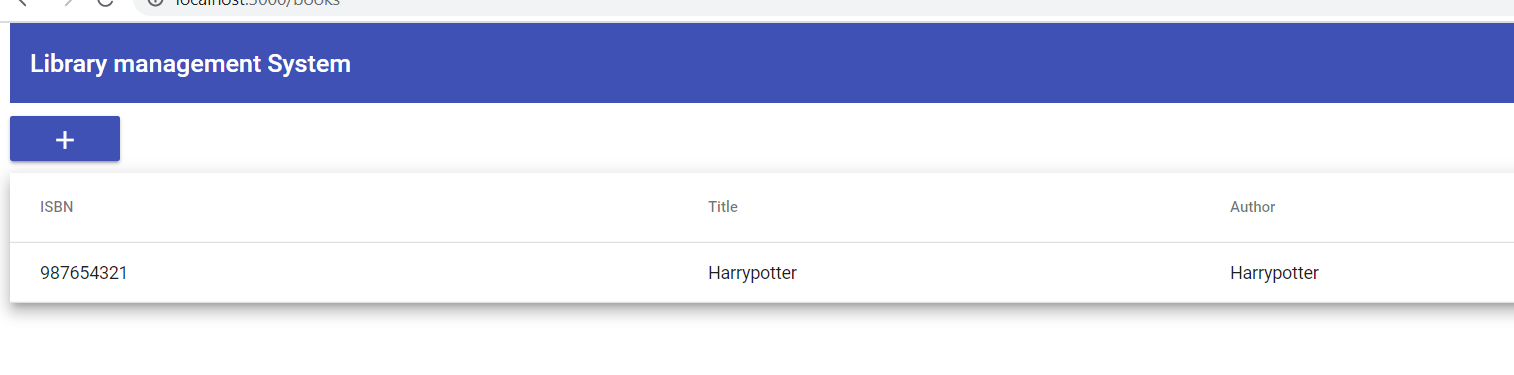
12.Details of each book in the form of a material cards.



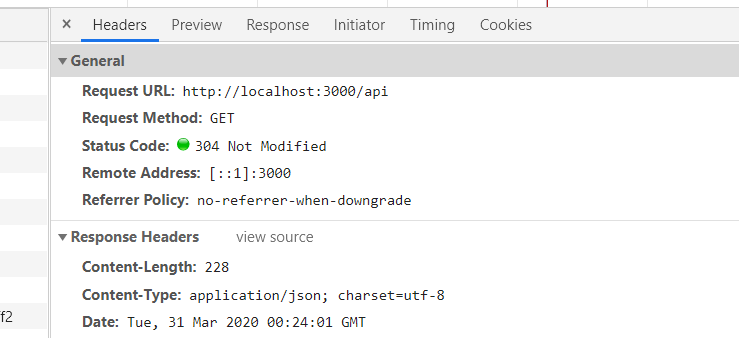
13.Editing details by clicking edit option.



14.Deleting the data on clicking delete option.

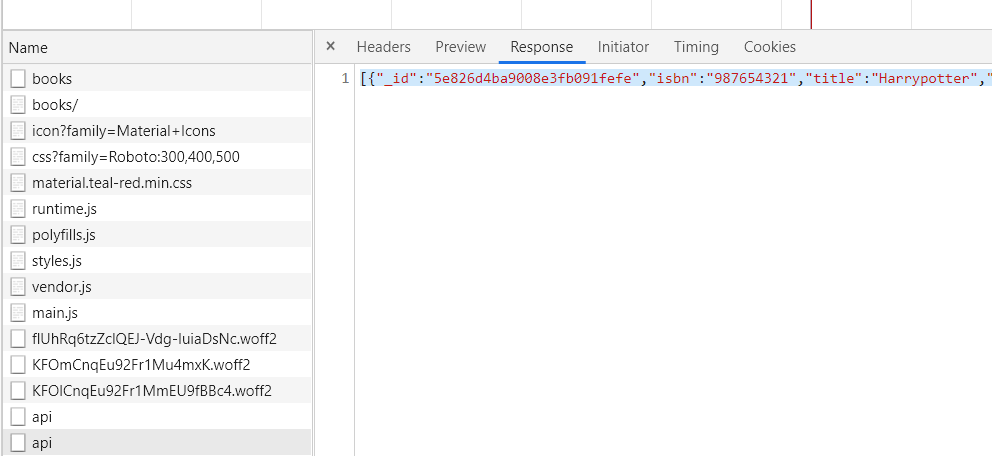


115.Api call for hitting the details using express JS



16.Response of the data received from Mongo db.

[{"\_id":"5e826d4ba9008e3fb091fefe","isbn":"987654321","title":"Harrypotter","description":"English Novel","author":"Harrypotter","publisher":"Hollywood","published\_year":"2019","updated\_date":"2020-03-30T22:06:03.858Z","\_\_v":0}]



**Conclusion:**

Thus, a cluster has been created in the MongoDB and the data has been inserted and retrived from mongo DB.

**Drawbacks:**

Repeatedly hitting or running the URL might cost us huge amount of money.

**YouTubeLink:**

<https://youtu.be/ZPAyq5rA2tg>

**References:**

<https://docs.atlas.mongodb.com/tutorial/create-new-cluster/>