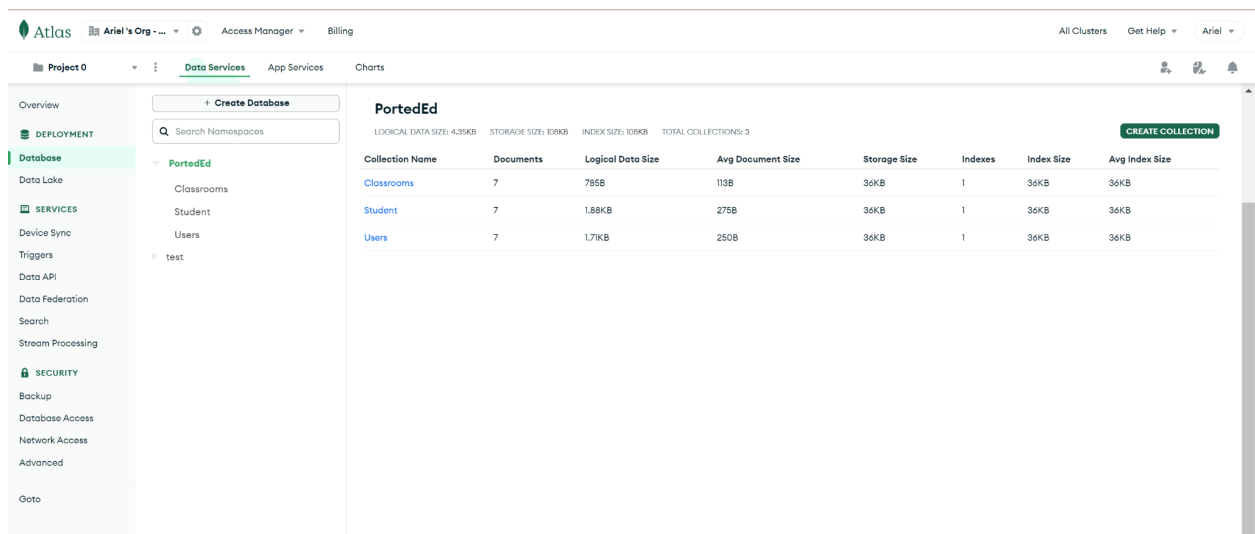


Sprint 6
10/1/2023
Ariel Manalo

BF170, BF171

For this sprint, I used MongoDB to create the database. I first focused on learning how to create a database using MongoDB. I learned how to create clusters and insert documents. Based on a diagram organized and provided by Uriel, I created the cluster and added a few documents of fake data so that we can try begin accessing it from the front end.

The clusters created are: Classrooms, Student, Users



The screenshot displays the MongoDB Atlas web interface. The top navigation bar includes the Atlas logo, the organization name 'Ariel's Org', and links for 'Access Manager' and 'Billing'. On the right, there are links for 'All Clusters', 'Get Help', and the user profile 'Ariel'. The main interface is divided into a left sidebar and a central content area. The sidebar contains a 'Project 0' dropdown and tabs for 'Data Services', 'App Services', and 'Charts'. Under 'Data Services', there is a 'Database' section with a '+ Create Database' button and a search bar for namespaces. Below this, a list of databases is shown: 'PortedEd' (selected), 'Classrooms', 'Student', 'Users', and 'test'. The central content area shows the 'PortedEd' cluster overview. It includes summary statistics: 'LOGICAL DATA SIZE: 4.35KB', 'STORAGE SIZE: 108KB', 'INDEX SIZE: 108KB', and 'TOTAL COLLECTIONS: 3'. A 'CREATE COLLECTION' button is visible. Below the summary is a table with the following data:

Collection Name	Documents	Logical Data Size	Avg Document Size	Storage Size	Indexes	Index Size	Avg Index Size
Classrooms	7	785B	113B	36KB	1	36KB	36KB
Student	7	1.88KB	275B	36KB	1	36KB	36KB
Users	7	1.71KB	250B	36KB	1	36KB	36KB

PortedEd.Classrooms

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 785B TOTAL DOCUMENTS: 7 INDEXES TOTAL SIZE: 36KB

Find Indexes Schema Anti-Patterns 0 Aggregation Search Indexes

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

More Options

QUERY RESULTS: 1-7 OF 7

`_id: ObjectId('6519db60eed0964e1556a1d6')`
`courseName: "Art"`
`studentList: Array`
`teacherId: ObjectId('6519dddaded0964e155ab655')`

`_id: ObjectId('6519e046a0699f3ad644305c')`
`courseName: "History"`
`studentList: Array`
`teacherId: ObjectId('6519dddaded0964e155ab655')`

`_id: ObjectId('6519e091a0699f3ad644305f')`
`courseName: "Science"`
`studentList: Array`
`teacherId: ObjectId('6519dddaded0964e155ab655')`

`_id: ObjectId('651a395da0699f3ad6443062')`

PortedEd.Student

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 1.88KB TOTAL DOCUMENTS: 7 INDEXES TOTAL SIZE: 36KB

Find Indexes Schema Anti-Patterns 0 Aggregation Search Indexes

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

More Options

QUERY RESULTS: 1-7 OF 7

`_id: ObjectId('6519dcd9eed0964e15591abd')`
`firstName: "fname"`
`lastName: "lname"`
`classes: Object`
`attendance: "green"`
`academic: "green"`
`behavior: "yellow"`

`_id: ObjectId('6519e069a0699f3ad644305d')`
`firstName: "fname2"`
`lastName: "lname2"`
`classes: Object`
`attendance: "green"`
`academic: "red"`
`behavior: "yellow"`

`_id: ObjectId('6519e09aa0699f3ad6443060')`
`firstName: "fname3"`
`lastName: "lname3"`

PortedEd.Users

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 1.7KB TOTAL DOCUMENTS: 7 INDEXES TOTAL SIZE: 36KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

INSERT DOCUMENT

Filter Type a query: { field: 'value' }

Reset Apply More Options

QUERY RESULTS: 1-7 OF 7

`_id: ObjectId('6519dddadeed0964e155ab655')`
`password: "pwd"`
`role: "teacher"`
`classes: Object`
 `firstName: "tfname"`
 `lastName: "tlname"`

`_id: ObjectId('6519e081a0699f3ad644305e')`
`password: "pwd"`
`role: "teacher"`
`classes: Object`
 `firstName: "tfname"`
 `lastName: "tlname"`

`_id: ObjectId('6519e0a3a0699f3ad6443061')`
`password: "pwd"`
`role: "teacher"`
`classes: Object`