

DATABASE

1. User Colletion

The screenshot shows the MongoDB Atlas web interface. The left sidebar contains navigation options: Overview, DATABASE, Clusters, SERVICES, Atlas Search, Stream Processing, Triggers, Migration, Data Federation, SECURITY, Quickstart, Backup, Database Access, Network Access, and Advanced. The main panel displays the 'AttendanceX.students' collection. At the top, it shows 'STORAGE SIZE: 36KB', 'LOGICAL DATA SIZE: 2KB', 'TOTAL DOCUMENTS: 8', and 'INDEXES TOTAL SIZE: 144KB'. Below this, there are tabs for 'Find', 'Indexes', 'Schema Anti-Patterns', 'Aggregation', and 'Search Indexes'. A search bar with the placeholder 'Type a query: { field: 'value' }' is present. The 'QUERY RESULTS: 1-8 OF 8' section shows two document snippets. The first document has fields: '_id', 'studentType', 'username', 'password', 'name', 'studentId', 'email', 'course', 'year', 'section', 'createdAt', and 'v'. The second document has fields: '_id', 'studentType', 'username', and 'password'. The bottom of the interface shows 'System Status: All Good' and copyright information for MongoDB, Inc.

The screenshot shows the MongoDB Atlas web interface for the 'AttendanceX.lecturers' collection. The left sidebar is identical to the previous screenshot. The main panel displays the 'AttendanceX.lecturers' collection. At the top, it shows 'STORAGE SIZE: 36KB', 'LOGICAL DATA SIZE: 720B', 'TOTAL DOCUMENTS: 3', and 'INDEXES TOTAL SIZE: 144KB'. Below this, there are tabs for 'Find', 'Indexes', 'Schema Anti-Patterns', 'Aggregation', and 'Search Indexes'. A search bar with the placeholder 'Type a query: { field: 'value' }' is present. The 'QUERY RESULTS: 1-3 OF 3' section shows two document snippets. The first document has fields: '_id', 'username', 'password', 'name', 'lecturerId', 'email', 'department', 'courses', 'createdAt', and 'v'. The second document has fields: '_id', 'username', 'password', 'name', 'lecturerId', and 'email'. The bottom of the interface shows 'System Status: All Good' and copyright information for MongoDB, Inc.

2.Attendance Data

The screenshot shows the Atlas Data Services interface for the 'AttendanceX.attendances' collection. The left sidebar contains navigation options: Overview, DATABASE, Clusters, SERVICES, Atlas Search, Stream Processing, Triggers, Migration, Data Federation, SECURITY, Quickstart, Backup, Database Access, Network Access, Advanced, and Goto. The main panel displays the collection details: STORAGE SIZE: 36KB, LOGICAL DATA SIZE: 865B, TOTAL DOCUMENTS: 2, INDEXES TOTAL SIZE: 29KB. Below this, there are tabs for Find, Indexes, Schema Anti-Patterns, Aggregation, and Search Indexes. A search bar with the placeholder 'Type a query: { field: 'value' }' is present. The query results section shows 1-2 OF 2 documents. The first document is a JSON object with fields: _id, classId, courseId, courseName, section, room, schedule, studentId, studentName, lecturerName, date, status, timestamp, notes, and uniqueId. The second document is a JSON object with fields: _id, courseId, courseName, facultyName, section, room, schedule, lecturerId, year, students, createdat, and _v.

3. Classes

The screenshot shows the Atlas Data Services interface for the 'AttendanceX.classes' collection. The left sidebar contains navigation options: Overview, DATABASE, Clusters, SERVICES, Atlas Search, Stream Processing, Triggers, Migration, Data Federation, SECURITY, Quickstart, Backup, Database Access, Network Access, Advanced, and Goto. The main panel displays the collection details: STORAGE SIZE: 36KB, LOGICAL DATA SIZE: 1.9KB, TOTAL DOCUMENTS: 8, INDEXES TOTAL SIZE: 36KB. Below this, there are tabs for Find, Indexes, Schema Anti-Patterns, Aggregation, and Search Indexes. A search bar with the placeholder 'Type a query: { field: 'value' }' is present. The query results section shows 1-10 OF 10 documents. The first document is a JSON object with fields: _id, courseId, courseName, facultyName, section, room, schedule, lecturerId, year, students, createdat, and _v. The second document is a JSON object with fields: _id, courseId, courseName, and facultyName.

4. Logging logs Record

The screenshot shows the Atlas Data Services interface for the 'AttendanceX' database. The left sidebar contains navigation options: Overview, DATABASE, Clusters, SERVICES, and SECURITY. The 'AttendanceX' database is selected, and the 'logginglogs' collection is highlighted. The main panel displays the 'AttendanceX.logginglogs' collection with a storage size of 36KB and 3 documents. A search bar is present, and a 'Filter' button is visible. The 'QUERY RESULTS: 1-3 OF 3' section shows the following documents:

```
{ "_id": ObjectId("683e5af42c532a4de691581"), "username": "admin@gmail.com", "role": "Super Admin", "action": "login", "timestamp": 2025-05-21T23:00:04.977+00:00, "_v": 0 }
```

```
{ "_id": ObjectId("683e5b842c532a4de691584"), "username": "admin@gmail.com", "role": "admin", "action": "logout", "timestamp": 2025-05-21T23:00:20.732+00:00, "_v": 0 }
```

```
{ "_id": ObjectId("683e5b842c532a4de691585"), "username": "admin@gmail.com", "role": "admin", "action": "logout", "timestamp": 2025-05-21T23:00:20.732+00:00, "_v": 0 }
```

5. Student List Status

The screenshot shows the Atlas Data Services interface for the 'AttendanceX' database. The left sidebar contains navigation options: Overview, DATABASE, Clusters, SERVICES, and SECURITY. The 'AttendanceX' database is selected, and the 'studentlistatts' collection is highlighted. The main panel displays the 'AttendanceX.studentlistatts' collection with a storage size of 36KB and 9 documents. A search bar is present, and a 'Filter' button is visible. The 'QUERY RESULTS: 1-9 OF 9' section shows the following document:

```
{ "_id": ObjectId("6824d280855b695f23a633b4"), "studentId": "2022-5643", "studentName": "Annabeth Lopez", "classId": ObjectId("6824c733b94955d461d1aa43"), "courseCode": "ITNSD5", "courseName": "intro5", "section": "C1", "room": "netlab", "schedule": "Thursday 12:30 AM - 02:00 PM", "lecturerId": "L176494", "lecturerName": "tsir", "date": 2025-05-14T16:00:00.000+00:00, "status": "present", "timestamp": 1747243648838, "uniqueId": "2022-5643_ITNSD5_1747243648838", "_v": 0 }
```