
PROJECT X - AUTOMATED ATTENDANCE APP

Database Schema

Group Name:

TRIPLE THREAT (+1)

Submitted by:

**John Kenneth Gade
Cyril Lloyd Balanay
Ivan Vasay
Keynt Harly Adol**

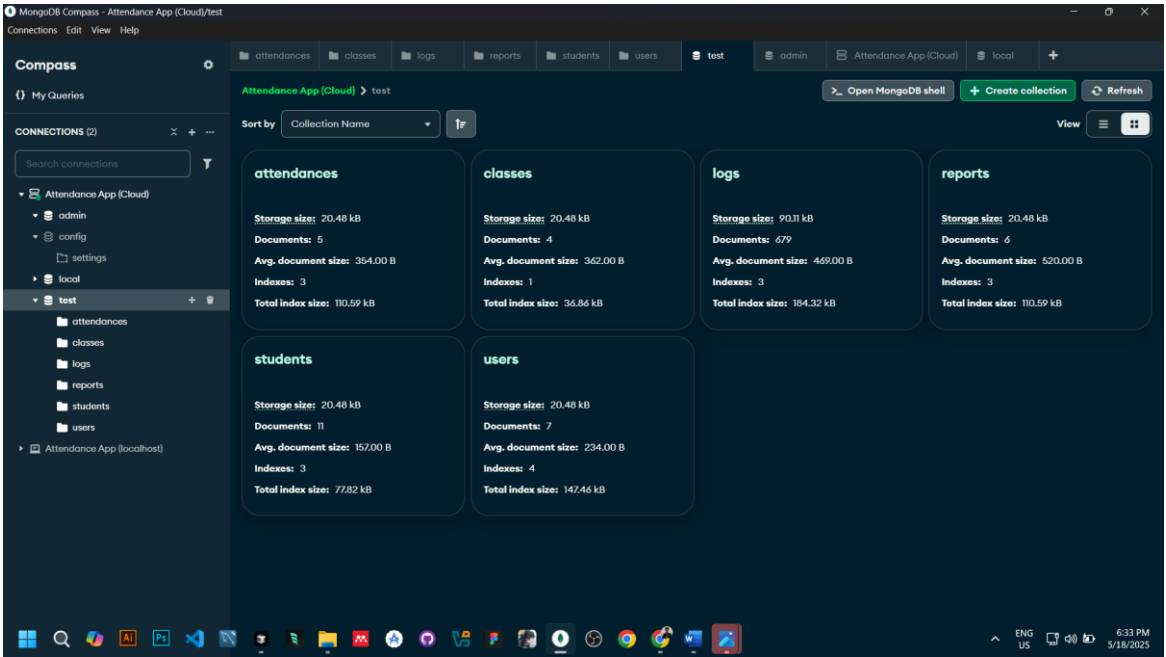
Submitted to:

Terry Watts

May 15, 2025

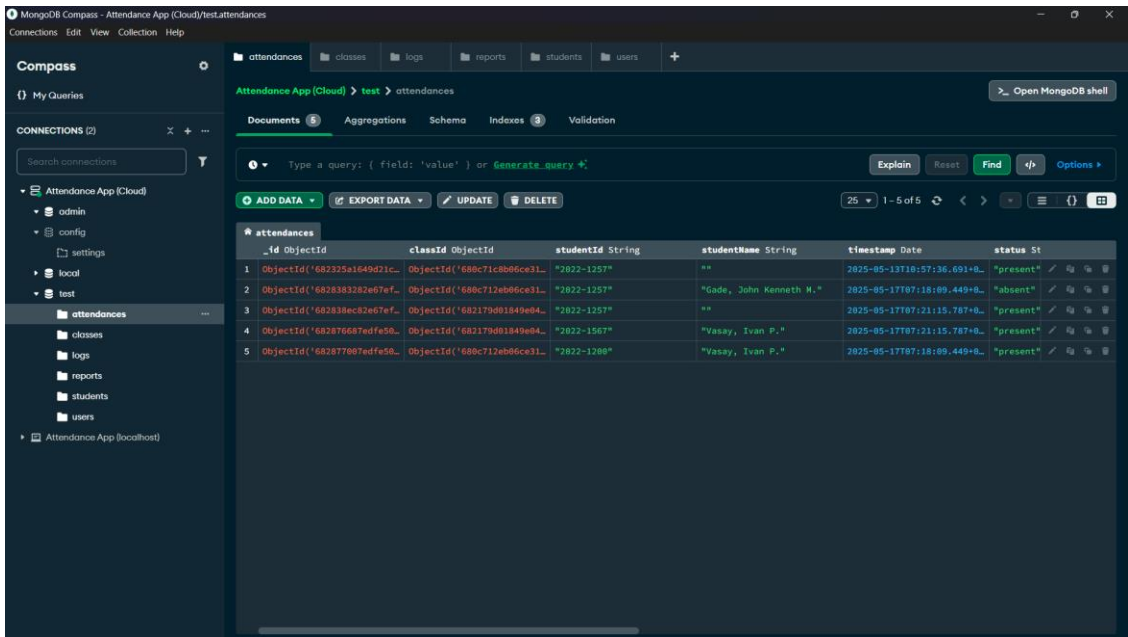
Project Name: Attendance App

Database Name: test



Collections:

1. attendances



2. classes

The screenshot shows the MongoDB Compass interface for the 'Attendance App (Cloud)' database. The 'classes' collection is selected, and the 'Documents' tab is active. The table displays the following data:

	_id ObjectId	className String	subjectCode String	schedules Array	course String	room Stri
1	ObjectId('680c712e06ce31...')	"Cross Platform Developme.."	"ITMS03"	[] 1 elements	"BSIT"	"COMLAB 2" / ⌵ ⌶ ⌷
2	ObjectId('680c71c806ce31...')	"Mobile Cloud Development"	"ITMSD4"	[] 2 elements	"BSIT"	"CL3" / ⌵ ⌶ ⌷
3	ObjectId('682179d91849e4...')	"Emerging Technologies"	"ITC102"	[] 1 elements	"BSIT"	"COMLAB 3" / ⌵ ⌶ ⌷
4	ObjectId('68286e16e49a8...')	"Advance Mobile Developme.."	"ITMSD2"	[] 1 elements	"BSIT"	"CL2" / ⌵ ⌶ ⌷

3. logs

The screenshot shows the MongoDB Compass interface for the 'Attendance App (Cloud)' database. The 'logs' collection is selected, and the 'Documents' tab is active. The table displays the following data:

	_id ObjectId	userId ObjectId	username String	role String	sessionId String	action
1	ObjectId('681b7622b1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"577c7f0e4-808a-4a03-8de8-..."	"LOGIN" / ⌵ ⌶ ⌷
2	ObjectId('681b7622b1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"e90b6446-4a5b-4723-a071-..."	"LOGIN" / ⌵ ⌶ ⌷
3	ObjectId('681b7a20b1535e...')	ObjectId('67fd25a0b3c7ad2...')	"test_student"	"student"	"ec66be2b-282e-4d9d-9b91-..."	"LOGIN" / ⌵ ⌶ ⌷
4	ObjectId('681b7a20b1535e...')	ObjectId('67fd25a0b3c7ad2...')	"test_student"	"student"	"cd949f97-7c69-4b63-b379-..."	"LOGIN" / ⌵ ⌶ ⌷
5	ObjectId('681b7a30b1535e...')	ObjectId('67fd25a0b3c7ad2...')	"test_student"	"student"	"cd949f97-7c69-4b63-b379-..."	"LOGOUT" / ⌵ ⌶ ⌷
6	ObjectId('681b7a30b1535e...')	ObjectId('67fd25a0b3c7ad2...')	"test_instructor"	"instructor"	"c4d1f02c-cfeb-4c4e-bcb8-..."	"LOGIN" / ⌵ ⌶ ⌷
7	ObjectId('681b7a40b1535e...')	ObjectId('67fd25a0b3c7ad2...')	"test_instructor"	"instructor"	"57478186-51b0-4e70-90c4-..."	"LOGIN" / ⌵ ⌶ ⌷
8	ObjectId('681b7c7fb1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"bc8157de-bf8e-4cbb-9b53-..."	"LOGIN" / ⌵ ⌶ ⌷
9	ObjectId('681b7c7fb1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"8281a3e0-3720-49cd-8255-..."	"LOGIN" / ⌵ ⌶ ⌷
10	ObjectId('681b7c7fb1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"940816a0-e930-4c07-a122-..."	"LOGIN" / ⌵ ⌶ ⌷
11	ObjectId('681b7801b1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"840816a0-e930-4c07-a122-..."	"LOGOUT" / ⌵ ⌶ ⌷
12	ObjectId('681b7d2eb1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"63468282-fc05-41b0-9da3-..."	"LOGIN" / ⌵ ⌶ ⌷
13	ObjectId('681b7d35b1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"118531fb-055d-4e74-9541-..."	"LOGIN" / ⌵ ⌶ ⌷
14	ObjectId('681b0e0b1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"45b0faad-eaf7-4330-b05c-..."	"LOGIN" / ⌵ ⌶ ⌷
15	ObjectId('681b0e0b1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"fdebb3e0-0143-493c-ac6a-..."	"LOGIN" / ⌵ ⌶ ⌷
16	ObjectId('681b0f1b1535e...')	ObjectId('67efde5309189e1...')	"admin"	"admin"	"fdebb3e0-0143-493c-ac6a-..."	"LOGOUT" / ⌵ ⌶ ⌷
17	ObjectId('681b0f4b1535e...')	ObjectId('67fd25a0b3c7ad2...')	"test_student"	"student"	"d2482ff-f912-4503-bd39-..."	"LOGIN" / ⌵ ⌶ ⌷
18	ObjectId('681b0f5b1535e...')	ObjectId('67fd25a0b3c7ad2...')	"test_student"	"student"	"15b2be20-50e4-4fba-b6aa-..."	"LOGIN" / ⌵ ⌶ ⌷

4. reports

MongoDB Compass - Attendance App (Cloud)/test/reports

Connections Edit View Collection Help

Compass

My Queries

CONNECTIONS (2)

Attendance App (Cloud)

admin

config

local

test

attendances

classes

logs

reports

students

users

Attendance App (localhost)

reports

Documents

Aggregations Schema Indexes Validation

Type a query: { field: 'value' } or [Generate query](#)

ADD DATA EXPORT DATA UPDATE DELETE

25 1 - 6 of 6

#	reports																																																
1	<table><thead><tr><th>_id</th><th>date</th><th>className</th><th>subjectCode</th><th>classId</th><th>totalStud</th></tr><tr><th>ObjectId</th><th>Date</th><th>String</th><th>String</th><th>ObjectId</th><th></th></tr></thead><tbody><tr><td>ObjectId('6823359b7c6156b...')</td><td>2025-05-13T18:57:36.691+0...</td><td>"Mobile Cloud Development"</td><td>"ITHSD4"</td><td>ObjectId('680c71c8b6ce31...')</td><td>3</td></tr><tr><td>ObjectId('68283a6182e67ef...')</td><td>2025-05-17T07:21:15.787+0...</td><td>"Emerging Technologies"</td><td>"ITC102"</td><td>ObjectId('682179d01849e04...')</td><td>3</td></tr><tr><td>ObjectId('68283a6782e67ef...')</td><td>2025-05-17T07:18:09.449+0...</td><td>"Cross Platform Developme...</td><td>"ITHSD3"</td><td>ObjectId('680c712eb06ce31...')</td><td>2</td></tr><tr><td>ObjectId('68283a7f82e67ef...')</td><td>2025-05-17T09:00:00.000+0...</td><td>"Emerging Technologies"</td><td>"ITC102"</td><td>ObjectId('682179d01849e04...')</td><td>3</td></tr><tr><td>ObjectId('68283a882e67ef...')</td><td>2025-05-13T09:00:00.000+0...</td><td>"Mobile Cloud Development"</td><td>"ITHSD4"</td><td>ObjectId('680c71c8b6ce31...')</td><td>3</td></tr><tr><td>ObjectId('68283a882e67ef...')</td><td>2025-05-17T09:00:00.000+0...</td><td>"Cross Platform Developme...</td><td>"ITHSD3"</td><td>ObjectId('680c712eb06ce31...')</td><td>2</td></tr></tbody></table>	_id	date	className	subjectCode	classId	totalStud	ObjectId	Date	String	String	ObjectId		ObjectId('6823359b7c6156b...')	2025-05-13T18:57:36.691+0...	"Mobile Cloud Development"	"ITHSD4"	ObjectId('680c71c8b6ce31...')	3	ObjectId('68283a6182e67ef...')	2025-05-17T07:21:15.787+0...	"Emerging Technologies"	"ITC102"	ObjectId('682179d01849e04...')	3	ObjectId('68283a6782e67ef...')	2025-05-17T07:18:09.449+0...	"Cross Platform Developme...	"ITHSD3"	ObjectId('680c712eb06ce31...')	2	ObjectId('68283a7f82e67ef...')	2025-05-17T09:00:00.000+0...	"Emerging Technologies"	"ITC102"	ObjectId('682179d01849e04...')	3	ObjectId('68283a882e67ef...')	2025-05-13T09:00:00.000+0...	"Mobile Cloud Development"	"ITHSD4"	ObjectId('680c71c8b6ce31...')	3	ObjectId('68283a882e67ef...')	2025-05-17T09:00:00.000+0...	"Cross Platform Developme...	"ITHSD3"	ObjectId('680c712eb06ce31...')	2
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5. students

MongoDB Compass - Attendance App (Cloud)/test/students

Connections Edit View Collection Help

Compass

My Queries

CONNECTIONS (2)

Attendance App (Cloud)

admin

config

local

test

attendances

classes

logs

reports

students

users

Attendance App (localhost)

students

Documents

Aggregations Schema Indexes Validation

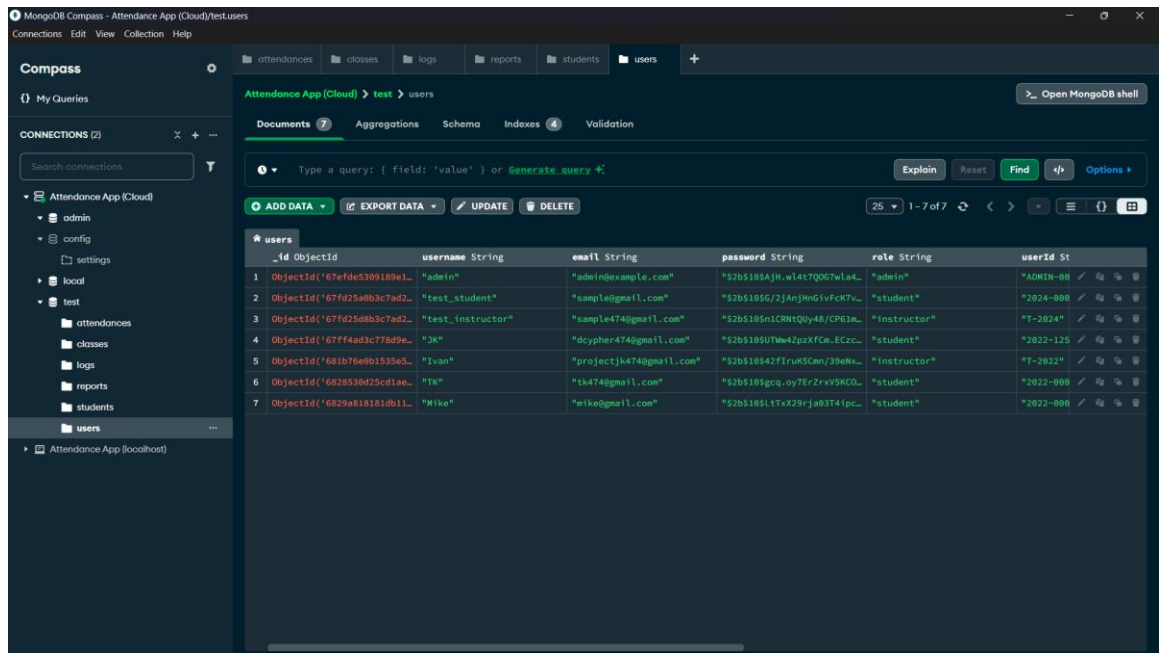
Type a query: { field: 'value' } or [Generate query](#)

ADD DATA EXPORT DATA UPDATE DELETE

25 1 - 11 of 11

#	students																																																																														
1	<table><thead><tr><th>_id</th><th>classId</th><th>studentId</th><th>surname</th><th>firstName</th><th>middleIni</th></tr><tr><th>ObjectId</th><th>ObjectId</th><th>String</th><th>String</th><th>String</th><th></th></tr></thead><tbody><tr><td>ObjectId('681720e8896a61f...')</td><td>ObjectId('680c71c8b6ce31...')</td><td>"2022-1257"</td><td>"Gade"</td><td>"John Kenneth"</td><td>"M"</td></tr><tr><td>ObjectId('681724a6f639a5e...')</td><td>ObjectId('680c712eb06ce31...')</td><td>"2022-1208"</td><td>"Vasay"</td><td>"Ivan"</td><td>"P"</td></tr><tr><td>ObjectId('681724a6f639a5e...')</td><td>ObjectId('680c712eb06ce31...')</td><td>"2022-1257"</td><td>"Gade"</td><td>"John Kenneth"</td><td>"M"</td></tr><tr><td>ObjectId('681725de6f639a5e...')</td><td>ObjectId('680c71c8b6ce31...')</td><td>"2022-1567"</td><td>"Vasay"</td><td>"Ivan"</td><td>"P"</td></tr><tr><td>ObjectId('6839A5669b3edf...')</td><td>ObjectId('680c71c8b6ce31...')</td><td>"2022-1357"</td><td>"Balanay"</td><td>"Cyril Lloyd"</td><td>"P"</td></tr><tr><td>ObjectId('6823678c69b3edf...')</td><td>ObjectId('682179d01849e04...')</td><td>"2022-1257"</td><td>"Gade"</td><td>"John Kenneth"</td><td>"M"</td></tr><tr><td>ObjectId('6823678c69b3edf...')</td><td>ObjectId('682179d01849e04...')</td><td>"2022-1567"</td><td>"Vasay"</td><td>"Ivan"</td><td>"P"</td></tr><tr><td>ObjectId('6823678c69b3edf...')</td><td>ObjectId('682179d01849e04...')</td><td>"2022-1357"</td><td>"Balanay"</td><td>"Cyril Lloyd"</td><td>"P"</td></tr><tr><td>ObjectId('682871afb93ec73...')</td><td>ObjectId('68286eb16e49a8...')</td><td>"2022-1257"</td><td>"Gade"</td><td>"John Kenneth"</td><td>"M"</td></tr><tr><td>ObjectId('682871afb93ec73...')</td><td>ObjectId('68286eb16e49a8...')</td><td>"2022-1357"</td><td>"Balanay"</td><td>"Cyril Lloyd"</td><td>"P"</td></tr><tr><td>ObjectId('682871afb93ec73...')</td><td>ObjectId('68286eb16e49a8...')</td><td>"2022-1567"</td><td>"Vasay"</td><td>"Ivan"</td><td>"P"</td></tr></tbody></table>	_id	classId	studentId	surname	firstName	middleIni	ObjectId	ObjectId	String	String	String		ObjectId('681720e8896a61f...')	ObjectId('680c71c8b6ce31...')	"2022-1257"	"Gade"	"John Kenneth"	"M"	ObjectId('681724a6f639a5e...')	ObjectId('680c712eb06ce31...')	"2022-1208"	"Vasay"	"Ivan"	"P"	ObjectId('681724a6f639a5e...')	ObjectId('680c712eb06ce31...')	"2022-1257"	"Gade"	"John Kenneth"	"M"	ObjectId('681725de6f639a5e...')	ObjectId('680c71c8b6ce31...')	"2022-1567"	"Vasay"	"Ivan"	"P"	ObjectId('6839A5669b3edf...')	ObjectId('680c71c8b6ce31...')	"2022-1357"	"Balanay"	"Cyril Lloyd"	"P"	ObjectId('6823678c69b3edf...')	ObjectId('682179d01849e04...')	"2022-1257"	"Gade"	"John Kenneth"	"M"	ObjectId('6823678c69b3edf...')	ObjectId('682179d01849e04...')	"2022-1567"	"Vasay"	"Ivan"	"P"	ObjectId('6823678c69b3edf...')	ObjectId('682179d01849e04...')	"2022-1357"	"Balanay"	"Cyril Lloyd"	"P"	ObjectId('682871afb93ec73...')	ObjectId('68286eb16e49a8...')	"2022-1257"	"Gade"	"John Kenneth"	"M"	ObjectId('682871afb93ec73...')	ObjectId('68286eb16e49a8...')	"2022-1357"	"Balanay"	"Cyril Lloyd"	"P"	ObjectId('682871afb93ec73...')	ObjectId('68286eb16e49a8...')	"2022-1567"	"Vasay"	"Ivan"	"P"
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6. users



MongoDB Compass - Attendance App (Cloud)/testUsers

Connections Edit View Collection Help

Compass

My Queries

CONNECTIONS (2)

Search connections

Attendance App (Cloud)

- admin
- config
- settings
- test
 - attendances
 - classes
 - logs
 - reports
 - students
 - users**

Attendance App (localhost)

Attendance App (Cloud) > test > users

Documents Aggregations Schema Indexes Validation

Type a query: { field: 'value' } or [Generate query](#)

EXPLAIN RESET FIND [Options](#)

ADD DATA EXPORT DATA UPDATE DELETE

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	_id	username	email	password	role	userId
1	ObjectId('67efde5309189e1...')	"admin"	"admin@example.com"	"\$2b\$10\$AJH.wl4t7Q0G7wLa...	"admin"	"ADMIN-00"
2	ObjectId('67fd25a8b3c7ad2...')	"test_student"	"sample@gmail.com"	"\$2b\$10\$G/2jAnjmgivFckTvw...	"student"	"2024-000"
3	ObjectId('67fd25d8b3c7ad2...')	"test_instructor"	"sample474@gmail.com"	"\$2b\$10\$n1CRntQ0y48/CP61m...	"instructor"	"T-2024"
4	ObjectId('67ff4ad3c778d9e...')	"JK"	"dcypher474@gmail.com"	"\$2b\$10\$U7Ww4zpxfCm.ECzc...	"student"	"2022-125"
5	ObjectId('681b76e8b1535e5...')	"Ivan"	"projectj474@gmail.com"	"\$2b\$10\$42fIruK5Cm/39eKx...	"instructor"	"T-2022"
6	ObjectId('682839d25cd1ae...')	"TK"	"tk474@gmail.com"	"\$2b\$10\$gcq.oy7ErZrxV9KCO...	"student"	"2022-000"
7	ObjectId('6829a818181db11...')	"Mike"	"mike@gmail.com"	"\$2b\$10\$(tTxX29rja83T4pc...	"student"	"2022-000"

