

# CS5551 - Advanced Software Engineering

Dr. Yugyung Lee

## Assignment# 7

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### MLAB Screenshots

#### Create View in AngularJS

The screenshot shows a web browser window with the address bar displaying `localhost:63342/zipservice/index.html#/create`. The browser tabs include 'mLab: MongoDB-as-a-Service' and 'CRUDApp'. The page has a navigation bar with links: 'ASE CRUDApp', 'Home', 'Create', 'Read', 'Update', and 'Delete'. The main content area is titled 'Add ZIP Code' and contains three input fields: 'ZIP Code:' with the value '64109', 'City:' with the value 'Kansas City', and 'State:' with the value 'Missouri'. Below these fields is a blue 'Add ZIP' button. At the bottom, a light blue message box states: 'Payload has been successfully sent to <http://localhost:8080/PallaviAssignment6/register/doc> using POST method.'

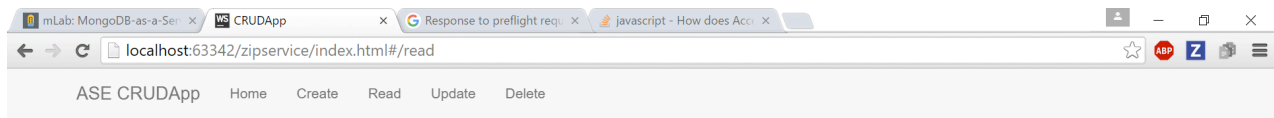
#### Document Created in mlab

The screenshot shows the MLab MongoDB interface for a collection named 'zipcodes'. The interface includes tabs for 'Documents', 'Indexes', 'Stats', and 'Tools'. The 'Documents' tab is active, showing a list of documents. The 'Display mode' is set to 'list'. The 'records / page' is set to '10'. The documents are as follows:

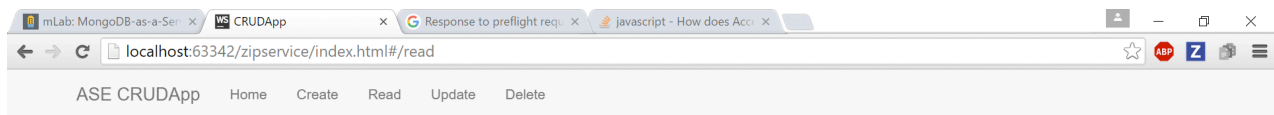
| Document   |
|--|
| <pre>{   "_id": {     "\$oid": "56da1e5ec2230710c86e6faa"   },   "zip": "78203",   "city": "San Antonio",   "state": "TX" }</pre>      |
| <pre>{   "_id": {     "\$oid": "56da20f3c2230710c86e6fac"   },   "zip": "89101",   "city": "Las Vegas",   "state": "NV" }</pre>        |
| <pre>{   "_id": {     "\$oid": "56e1e185e4b02bebd0d724b"   },   "zip": "64109",   "city": "Kansas City",   "state": "Missouri" }</pre> |

## Read View in AngularJS

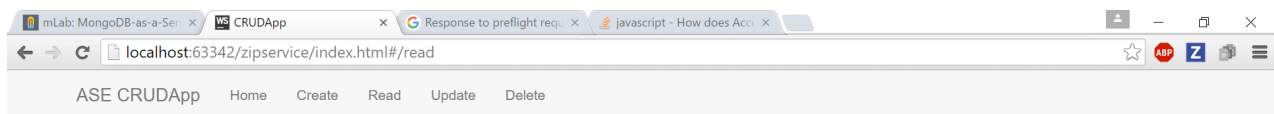
### Retrieve Zip codes of Missouri State



### Showing Process state (Retrieve button is hidden until response is returned from the Servlet)

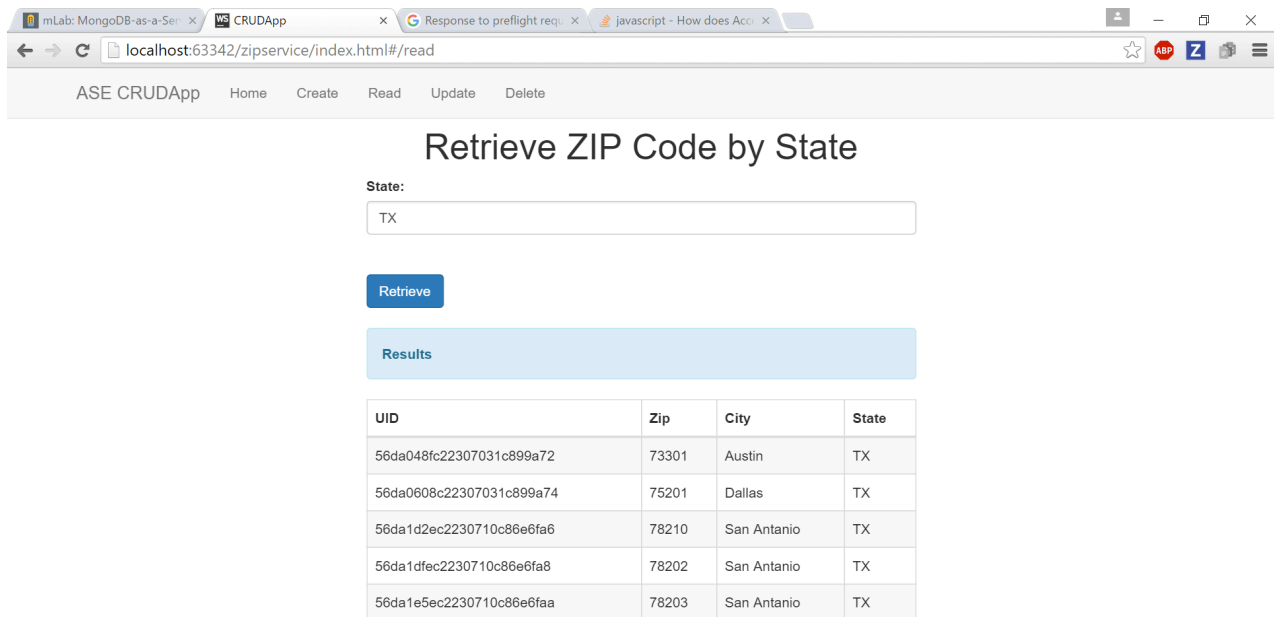


### Response for query: Missouri (UID – Document ID in MLAB, Zipcode, city and State)



| Retrieve ZIP Code by State |       |             |          |
|----------------------------|-------|-------------|----------|
| State:                     |       |             |          |
| Missouri                   |       |             |          |
| Retrieve                   |       |             |          |
| Results                    |       |             |          |
| UID                        | Zip   | City        | State    |
| 56da7381c223072074936986   | 64109 | Kansas City | Missouri |

## Response for query: TX (Texas)



State:

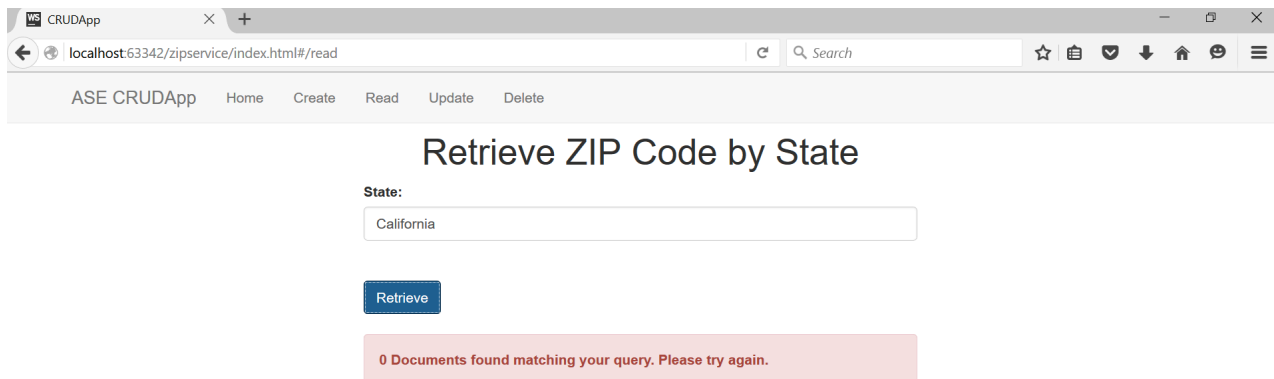
TX

Retrieve

Results

| UID                      | Zip   | City        | State |
|--------------------------|-------|-------------|-------|
| 56da048fc22307031c899a72 | 73301 | Austin      | TX    |
| 56da0608c22307031c899a74 | 75201 | Dallas      | TX    |
| 56da1d2ec2230710c88e6fa6 | 78210 | San Antonio | TX    |
| 56da1dfec2230710c88e6fa8 | 78202 | San Antonio | TX    |
| 56da1e5ec2230710c88e6faa | 78203 | San Antonio | TX    |

## Response for query: California (0 documents)



State:

California

Retrieve

0 Documents found matching your query. Please try again.

## Update View in AngularJS

The screenshot shows a web browser window with the URL `localhost:63342/zipservice/index.html#/update`. The application is titled "ASE CRUDApp" and has a navigation bar with links: Home, Create, Read, Update, and Delete. The main content area is titled "Update" and displays a table with the following data:

| UID                      | Zip   | City          | State         | Action |
|--------------------------|-------|---------------|---------------|--------|
| 56da0608c22307031c899a74 | 75201 | Dallas        | TX            |        |
| 56da0850c22307031c899a7c | 95052 | Santa Clara   | CA            |        |
| 56da08acc22307031c899a7e | 94035 | Mountain View | CA            |        |
| 56da0c16c22307031c899a88 | 20001 | Washington DC | Washington DC |        |
| 56da0cfdc22307031c899a8a | 33101 | Miami         | FL            |        |
| 56da0ee4c22307031c899a8c | 94301 | Palo Alto     | CA            |        |
| 56da0f27c22307031c899a8e | 02108 | Boston        | MA            |        |
| 56da1013c22307031c899a92 | 60290 | Chicago       | IL            |        |
| 56da1d2ec2230710c86e6fa6 | 78210 | San Antonio   | TX            |        |
| 56da1dfec2230710c86e6fa8 | 78202 | San Antonio   | TX            |        |
| 56da1e5ec2230710c86e6faa | 78203 | San Antonio   | TX            |        |
| 56da20f3c2230710c86e6fac | 89101 | Las Vegas     | NV            |        |
| 56da74c5c223072074936991 | 64109 | Kansas City   | Missouri      |        |

## Update Document View

The screenshot shows a web browser window with the URL `localhost:63342/zipservice/index.html#/modify/56da0608c22307031c899a74`. The application is titled "ASE CRUDApp" and has a navigation bar with links: Home, Create, Read, Update, and Delete. The main content area is titled "Update Document" and displays a form with the following fields:

**Document ID:**

**Zip Code:**

**City:**

**State:**

## Update Confirmation

# Update Document

Document ID:

56da0608c22307031c899a74

Zip Code:

75201

City:

Dallas1

State:

TX









Update

Document successfully updated!

## Updated List

ASE CRUDApp

HomeCreateReadUpdateDelete

| Update                   |       |               |               |   |
|--------------------------|-------|---------------|---------------|---|
| UID                      | Zip   | City          | State         | Action  |
| 56da0608c22307031c899a74 | 75201 | Dallas1       | TX            |  |
| 56da0850c22307031c899a7c | 95052 | Santa Clara   | CA            |  |
| 56da08acc22307031c899a7e | 94035 | Mountain View | CA            |  |
| 56da0c16c22307031c899a88 | 20001 | Washington DC | Washington DC |  |
| 56da0cfdc22307031c899a8a | 33101 | Miami         | FL            |  |
| 56da0ee4c22307031c899a8c | 94301 | Palo Alto     | CA            |  |
| 56da0f27c22307031c899a8e | 02108 | Boston        | MA            |  |
| 56da1013c22307031c899a92 | 60290 | Chicago       | IL            |  |

Documents

Delete all documents in collection
Add document

Start new search

All Documents

Display mode:
list
table (edit table view)

records / page
10
[1 - 10 of 18]
next >
last >>

{
\_id: {
\$id: "56da0608c22307031c899a74"
},
zip: "75201",
city: "Dallas",
state: "TX"
}

{
\_id: {
\$id: "56da0850c22307031c899a7c"
},
zip: "95052",
city: "Santa Clara",
state: "CA"
}

{
\_id: {
\$id: "56da08acc22307031c899a7e"
},
zip: "94035",
city: "Mountain View",
state: "CA"
}

{
\_id: {
\$id: "56da0c16c22307031c899a88"
},
zip: "20001",
city: "Washington DC",
state: "Washington DC"
}

{
\_id: {
\$id: "56da0cfdc22307031c899a8a"
},
zip: "33101",
city: "Miami",
state: "FL"
}

{
\_id: {
\$id: "56da0ee4c22307031c899a8c"
},
zip: "94301",
}

constructs are supported except for map/reduce queries. To use map/reduce, use the MongoDB shell (note that temporary result collections will be viewable in mLab).

You can also add, edit, and delete individual documents from here. Bulk collection updates are not yet supported in this UI (although they are supported in the shell).

## Delete View in AngularJS

mLab: MongoDB-as-a-Service
CRUDApp
Response to preflight request
javascript - How does AngularJS work?

localhost:63342/zipservice/index.html#/delete

ASE CRUDApp
Home
Create
Read
Update
Delete

Delete


Document (#12201) deleted successfully.

| UID                      | Zip   | City          | State         | Action |
|--------------------------|-------|---------------|---------------|--------|
| 56da0608c22307031c899a74 | 75201 | Dallas        | TX            | ✖      |
| 56da0850c22307031c899a7c | 95052 | Santa Clara   | CA            | ✖      |
| 56da08acc22307031c899a7e | 94035 | Mountain View | CA            | ✖      |
| 56da0c16c22307031c899a88 | 20001 | Washington DC | Washington DC | ✖      |
| 56da0cfdc22307031c899a8a | 33101 | Miami         | FL            | ✖      |
| 56da0ee4c22307031c899a8c | 94301 | Palo Alto     | CA            | ✖      |
| 56da0f27c22307031c899a8e | 02108 | Boston        | MA            | ✖      |
| 56da1013c22307031c899a92 | 60290 | Chicago       | IL            | ✖      |
| 56da1d2ec2230710c86e6fa6 | 78210 | San Antonio   | TX            | ✖      |
| 56da1dfec2230710c86e6fa8 | 78202 | San Antonio   | TX            | ✖      |
| 56da1e5ec2230710c86e6faa | 78203 | San Antonio   | TX            | ✖      |















Before Deleting – 18 Documents are present in the Collection(zipcodes)

--- Start new search --- ▼

### All Documents

Display mode: ☒ list ☐ table ([edit table view](#)) 

records / page  [1 - 10 of 18] [next >](#) [last >>](#)

|   |   |
|---|---|
| <pre>{   "_id": {     "\$oid": "56da0608c22307031c899a74"   },   "zip": "75201",   "city": "Dallas1",   "state": "TX" }</pre>                 |       |
| <pre>{   "_id": {     "\$oid": "56da0850c22307031c899a7c"   },   "zip": "95052",   "city": "Santa Clara",   "state": "CA" }</pre>             |       |
| <pre>{   "_id": {     "\$oid": "56da08acc22307031c899a7e"   },   "zip": "94035",   "city": "Mountain View",   "state": "CA" }</pre>           |       |
| <pre>{   "_id": {     "\$oid": "56da0c16c22307031c899a88"   },   "zip": "20001",   "city": "Washington DC",   "state": "Washinton DC" }</pre> |       |
| <pre>{   "_id": {     "\$oid": "56da0cfdc22307031c899a8a"   },   "zip": "33101",   "city": "Miami",   "state": "FL" }</pre>                   |   |
| <pre>{   "_id": {     "\$oid": "56da0ee4c22307031c899a8c"   },   "zip": "94301",   "city": "Palo Alto",   "state": "CA" }</pre>               |   |
| <pre>{   "_id": {     "\$oid": "56da0f00c22307031c899a8d"   },   "zip": "94301",   "city": "Palo Alto",   "state": "CA" }</pre>               |   |

**After Deleting – 17 documents are present in the Collection (zipcodes)**

Documents

Indexes

Stats

Tools

Documents

Delete all documents in collection

Add document

Start new search

All Documents

Display mode: ☒ list ☐ table [\(edit table view\)](#)

records / page 10 [1 - 10 of 17] [next >](#) [last >>](#)

|   |  |  |  |  |
|---|--|--|--|--|
| <pre>{   "_id": {     "\$oid": "56da0608c22307031c899a74"   },   "zip": "75201",   "city": "Dallas1",   "state": "TX" }</pre>       |  |  |  |  |
| <pre>{   "_id": {     "\$oid": "56da0850c22307031c899a7c"   },   "zip": "95052",   "city": "Santa Clara",   "state": "CA" }</pre>   |  |  |  |  |
| <pre>{   "_id": {     "\$oid": "56da08acc22307031c899a7e"   },   "zip": "94035",   "city": "Mountain View",   "state": "CA" }</pre> |  |  |  |  |
| <pre>{   "_id": {     "\$oid": "56da0c16c22307031c899a88"   },   "zip": "94035",   "city": "Mountain View",   "state": "CA" }</pre> |  |  |  |  |

Documents (aka Objects)

From the "Documents" tab you can browse and search for objects in this collection. All standard query constructs are supported except for `map/reduce` queries. To use `map/reduce`, use the MongoDB shell (note that temporary result collections will be viewable in mLab).

You can also add, edit, and delete individual documents from here. Bulk collection updates are not yet supported in this UI (although they are supported in the shell).