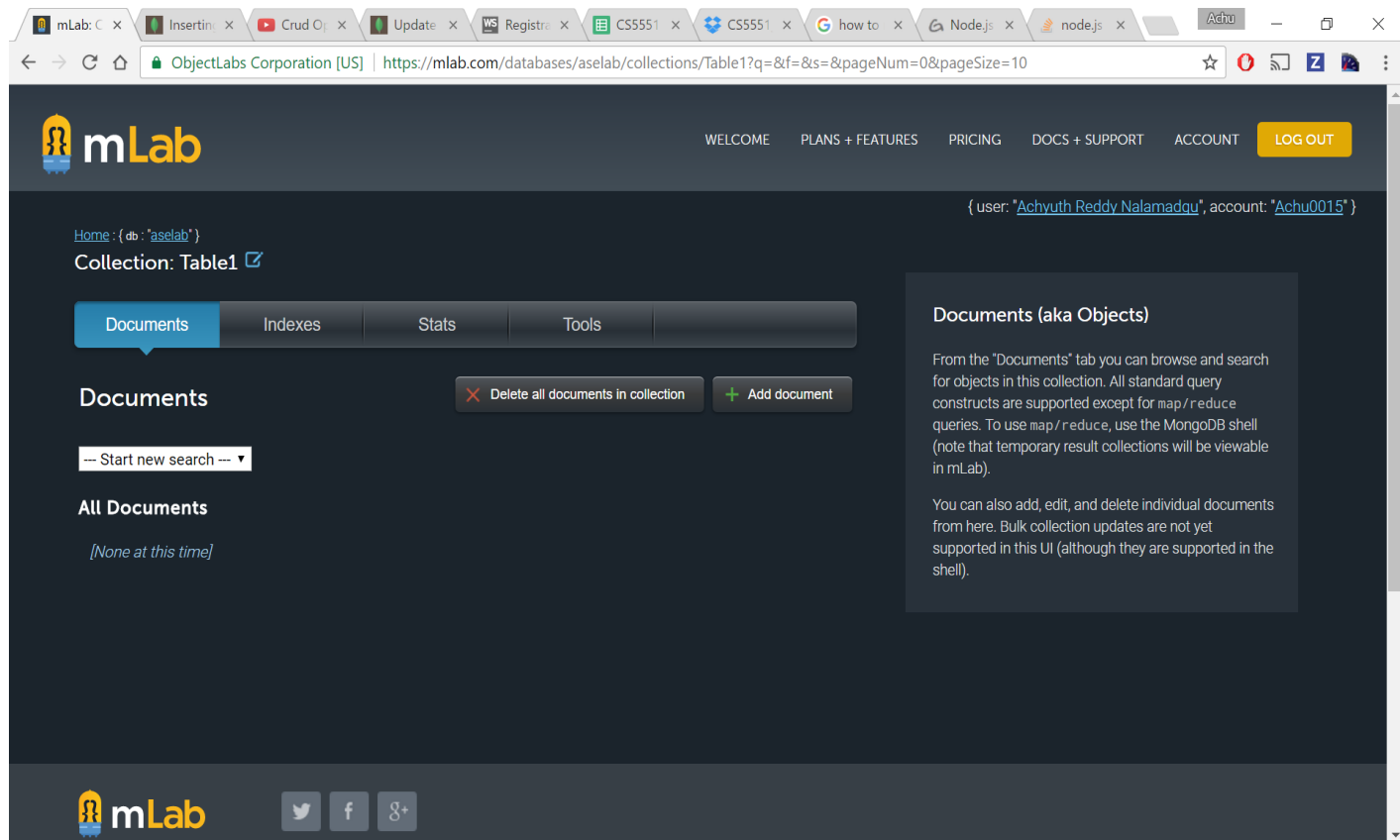


CS5551 Advanced Software Engineering

Lab Assignment #10

REST services for CRUD operation in MongoDB:

Before inserting any details the MongoDB page is empty:



Here the Signup page consists of input tabs to enter user details

Sign Up

First Name:

Last Name:

E-Mail:

Password:

Confirm Password:

Users will enter their details which will be stored into the MongoDB:

Sign Up

First Name:
Achyuth Reddy

Last Name:
Nalamadgu

E-Mail:
nar.achualt@gmail.com

Password:

Confirm Password:

Sign Up

Login

Sign Up

First Name:
Ramgopal

Last Name:
Mangena

E-Mail:
ramgopal.mangena@gmail.com

Password:

Confirm Password:

Sign Up

Login

Sign Up

First Name:
Prudvi Varma

Last Name:
Tirumala

E-Mail:
prudhvi@gmail.com

Password:

Confirm Password:

[Sign Up](#)

[Login](#)

Below image shows all the above users details read from Db and displayed in user details page:

Users

_id	fname	lname	email	password	cpassword
581a8f642c528238608877ee	Achyuth Reddy	Nalamadgu	nar.achualt@gmail.com	123456	123456
581a904b2c528238608877ef	Prudvi Varma	Tirumala	prudhvi@gmail.com	abcdefg	abcdefg
581a909c2c528238608877f0	Ramgopal	Mangena	ramgopal.mangena@gmail.com	ram1234	ram12345

Update User Details

ID:
581a8f642c528238608877ee [Click to copy same ID](#)

First Name:
JhonSnow

Last Name:
Eddard Stark

E-Mail:
snowstark@gmail.com

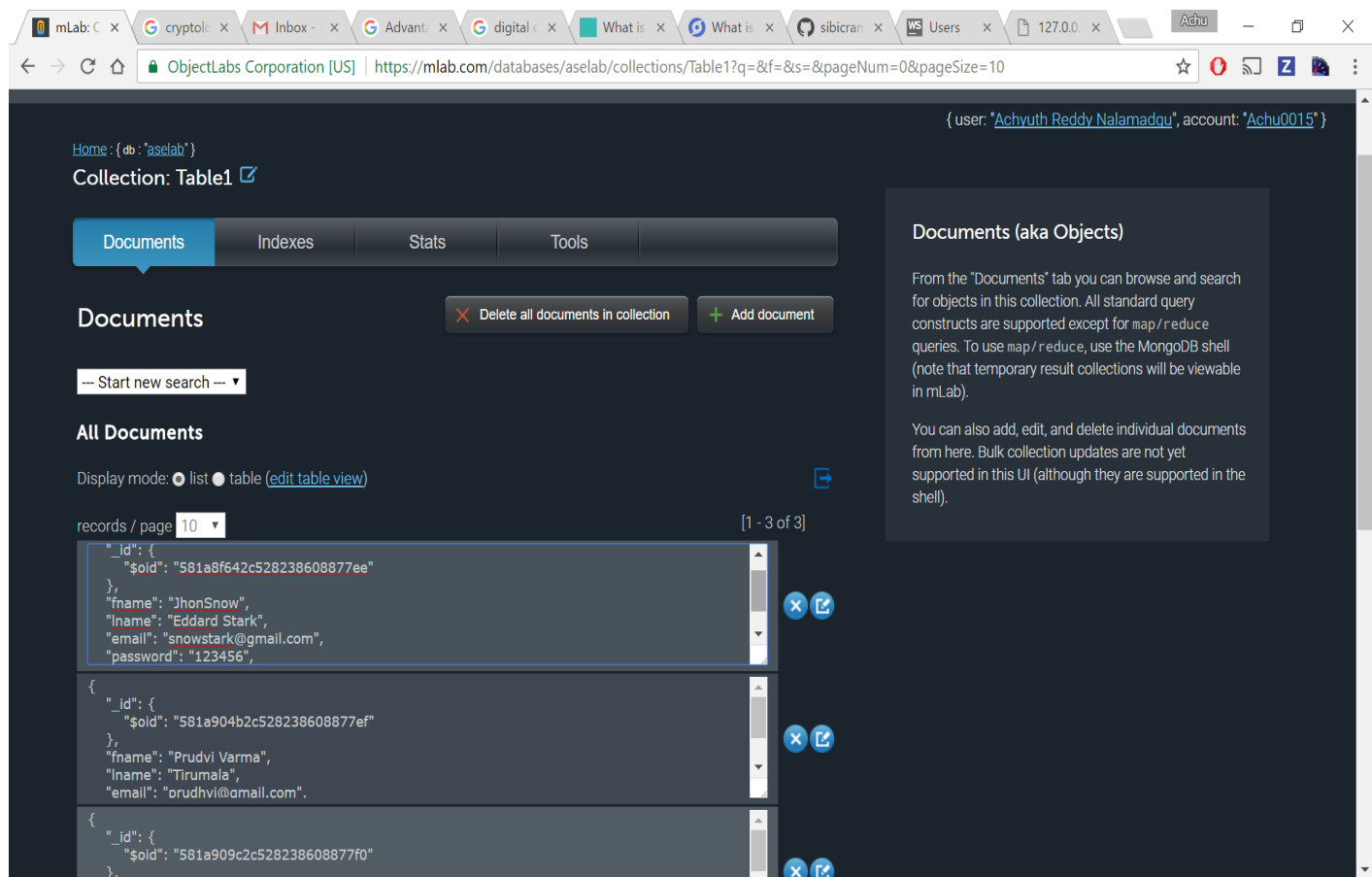
[Update](#)

Delete User Record

ID:
Enter the ID from above table

[Delete](#)

In the same we update the user one, FirstName, Lastname and email based on the Uid and click on update button.



The screenshot shows the mLab MongoDB web interface. The browser address bar displays the URL: <https://mlab.com/databases/aselab/collections/Table1?q=&f=&s=&pageNum=0&pageSize=10>. The user is logged in as "Achyuth Reddy Nalamadqu" with account "Achu0015".

The main content area shows the "Collection: Table1" with tabs for Documents, Indexes, Stats, and Tools. The "Documents" tab is selected, displaying a list of documents. The "Documents" section includes a search bar, a "Delete all documents in collection" button, and an "Add document" button.

The "All Documents" section shows the display mode set to "list" (with a link to "edit table view") and a "records / page" dropdown set to 10. The documents are displayed in a list view, showing the first 3 of 3 records. Each document is a JSON object containing fields like "_id", "\$oid", "fname", "lname", "email", and "password".

The sidebar on the right contains a section titled "Documents (aka Objects)" with instructions on how to use the Documents tab and a note about bulk collection updates.

```
{ "_id": { "$oid": "581a8f642c528238608877ee" }, "fname": "JhonSnow", "lname": "Eddard Stark", "email": "snowstark@gmail.com", "password": "123456" }, { "_id": { "$oid": "581a904b2c528238608877ef" }, "fname": "Prudvi Varma", "lname": "Tirumala", "email": "prudhvi@gmail.com" }, { "_id": { "$oid": "581a909c2c528238608877f0" }, "fname": "Prudvi Varma", "lname": "Tirumala", "email": "prudhvi@gmail.com", "password": "123456" }
```


Next here we delete one user by giving uid as input:

The screenshot shows a web browser window with the URL `localhost:63342/Source/Users.html`. The page has a dark blue background. At the top, there's a section titled "Users" containing a table with 7 columns: `_id`, `fname`, `lname`, `email`, `password`, `cpassword`, and an empty column. The table contains three rows of user data. Below the table, there are two main sections: "Update User Details" on the left and "Delete User Record" on the right. The "Update User Details" section has input fields for ID, First Name, Last Name, and E-Mail, along with a "Click to copy same ID" button and an "Update" button. The "Delete User Record" section has an input field for ID, which is pre-filled with `581a904b2c528238608877ef`, and a "Delete" button.

_id	fname	lname	email	password	cpassword	
581a8f642c528238608877ee	JhonSnow	Eddard Stark	snowstark@gmail.com	123456	123456	
581a904b2c528238608877ef	Prudvi Varma	Tirumala	prudhvi@gmail.com	abcdefgh	abcdefgh	
581a909c2c528238608877f0	Ramgopal	Mangena	ramgopal.mangena@gmail.com	ram1234	ram12345	

Update User Details

ID:

First Name:

Last Name:

E-Mail:

Delete User Record

ID:

After deletion the UI and MongoDB is updated :

The screenshot shows the same web application after deleting a user. The table now only contains two rows of user data. The "Delete User Record" section's input field is now empty, and the "Update" button in the "Update User Details" section is still present.

_id	fname	lname	email	password	cpassword	
581a8f642c528238608877ee	JhonSnow	Eddard Stark	snowstark@gmail.com	123456	123456	
581a909c2c528238608877f0	Ramgopal	Mangena	ramgopal.mangena@gmail.com	ram1234	ram12345	

Update User Details

ID:

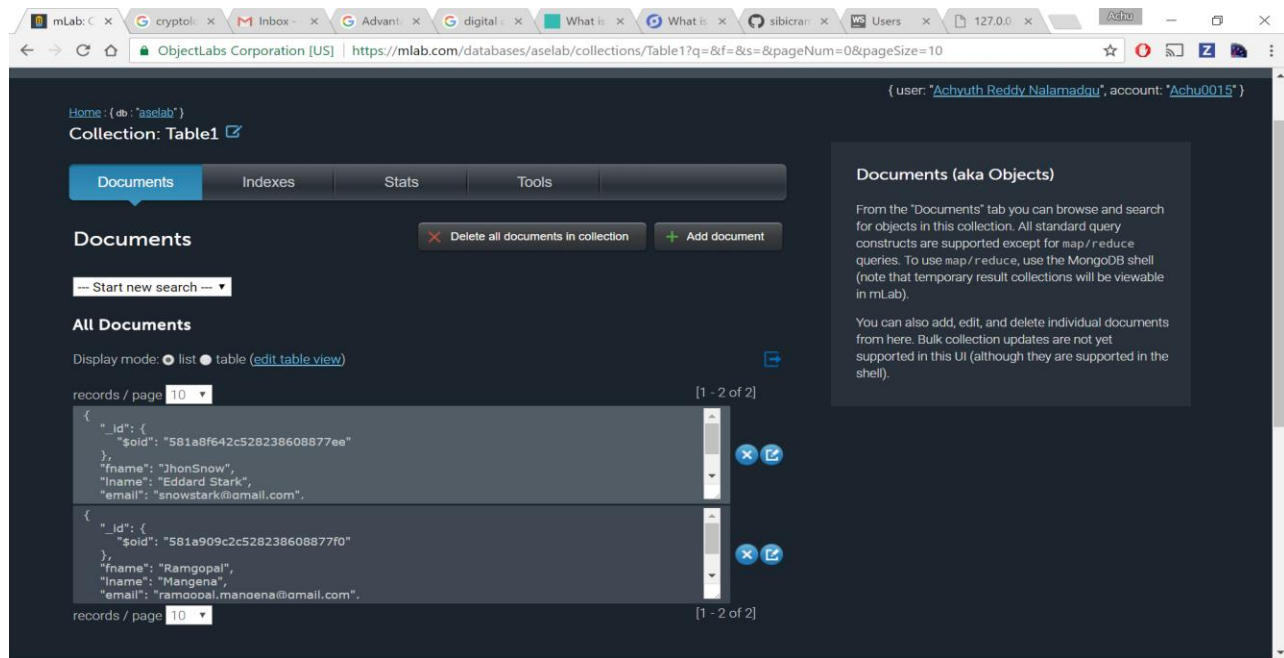
First Name:

Last Name:

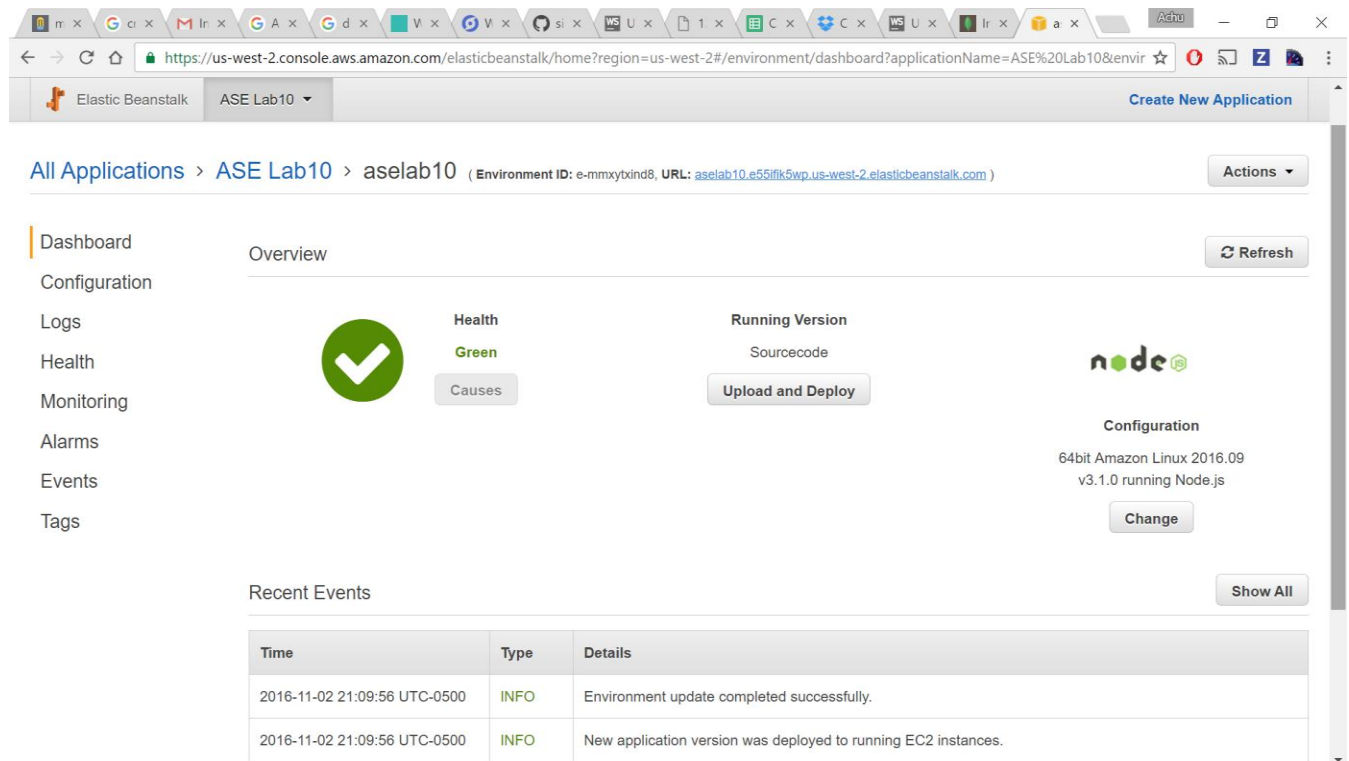
E-Mail:

Delete User Record

ID:



Deploying the above application in Amazon AWS:



URL: <http://aselab10.e55ifik5wp.us-west-2.elasticbeanstalk.com/>

References:

- <https://mongodb.github.io/node-mongodb-native/markdown-docs/insert.html>
- <https://www.stackoverflow.com>
- Class Tutorial