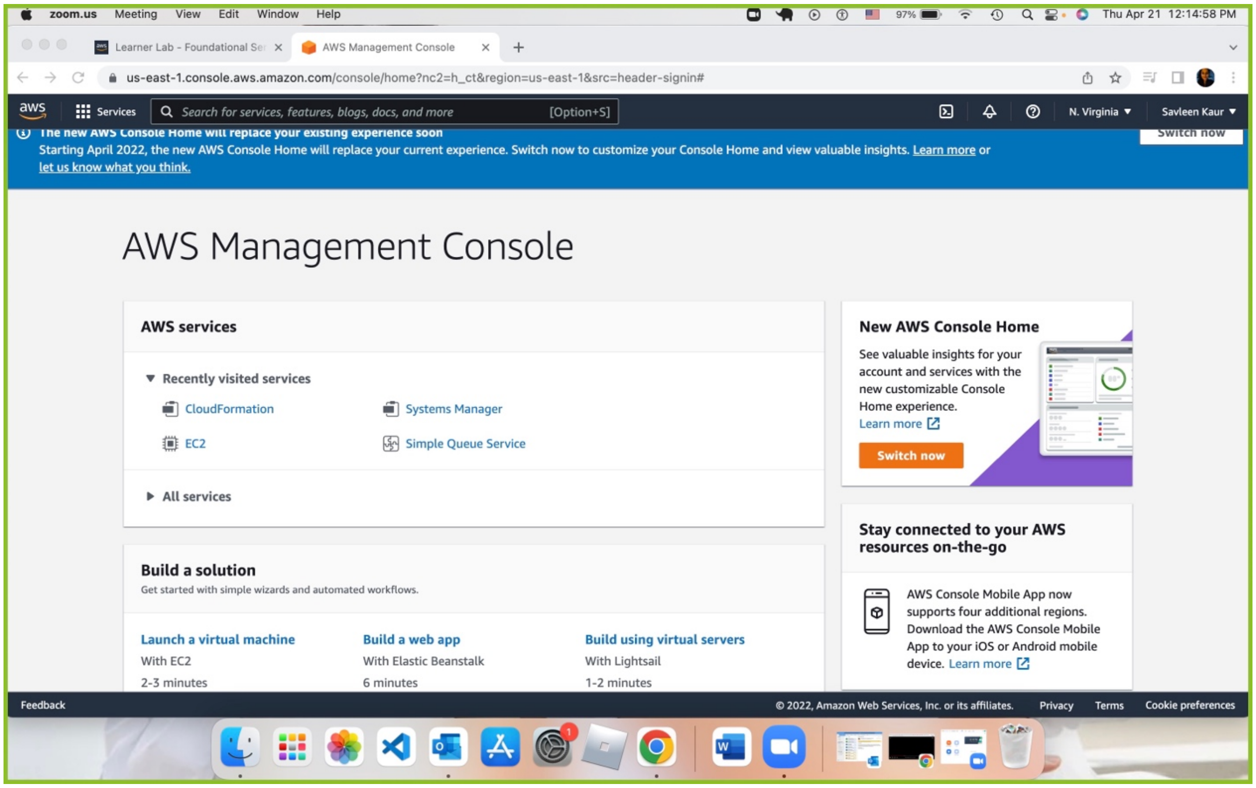
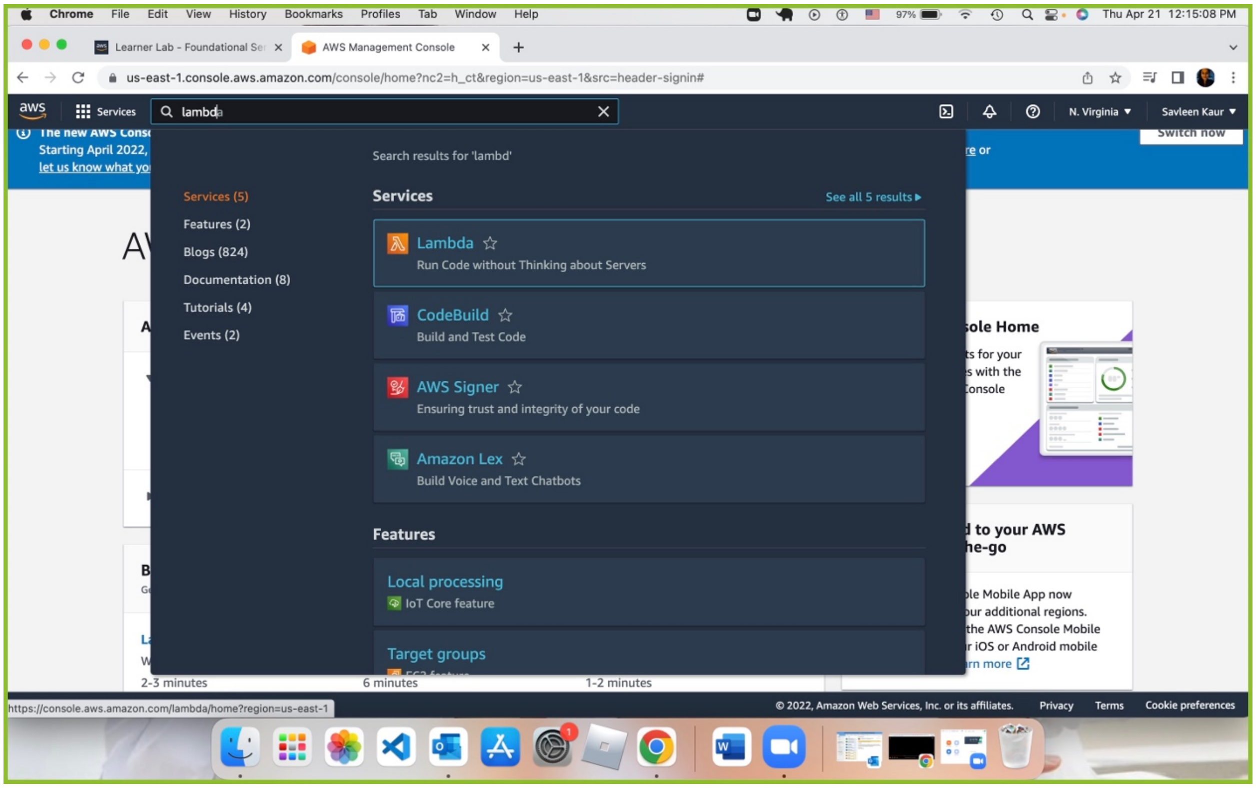
Project

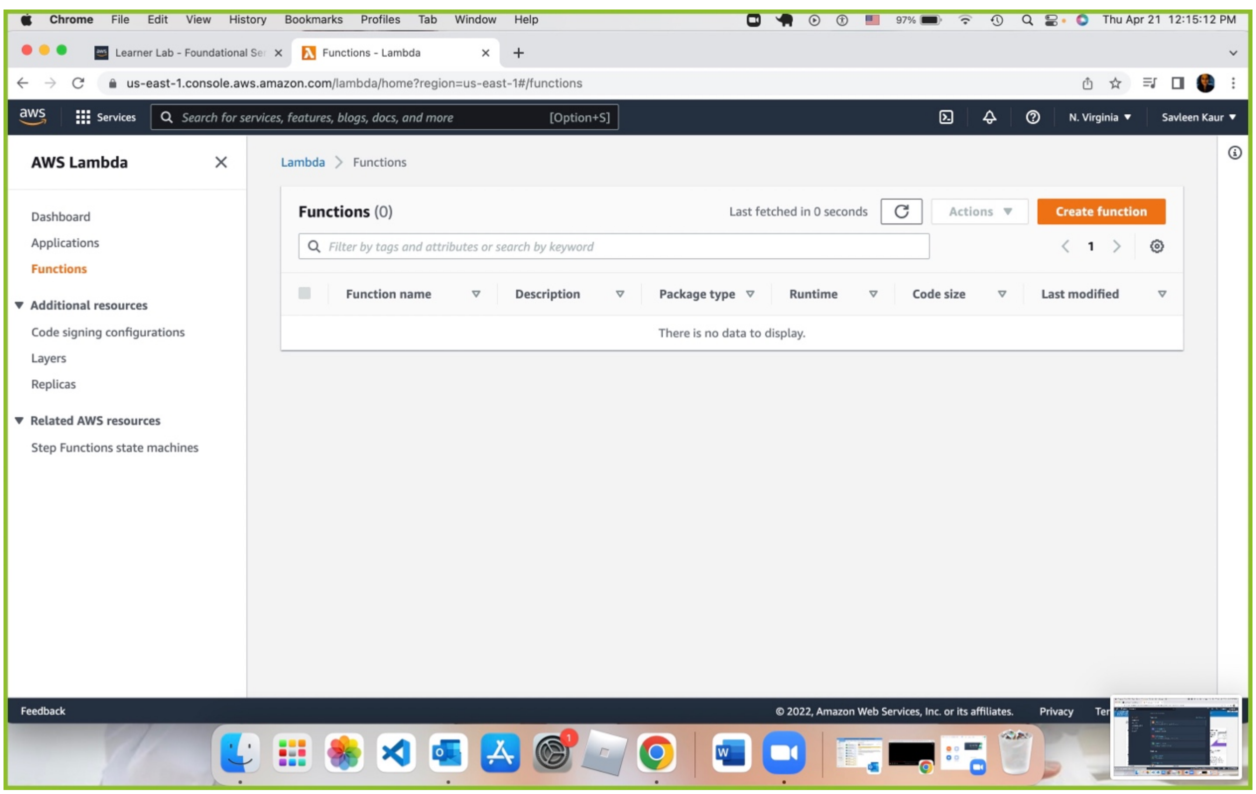
Part A
I used AWS Management Console because Foundation lab didn't have the Permission set
Login to AWS Management Console



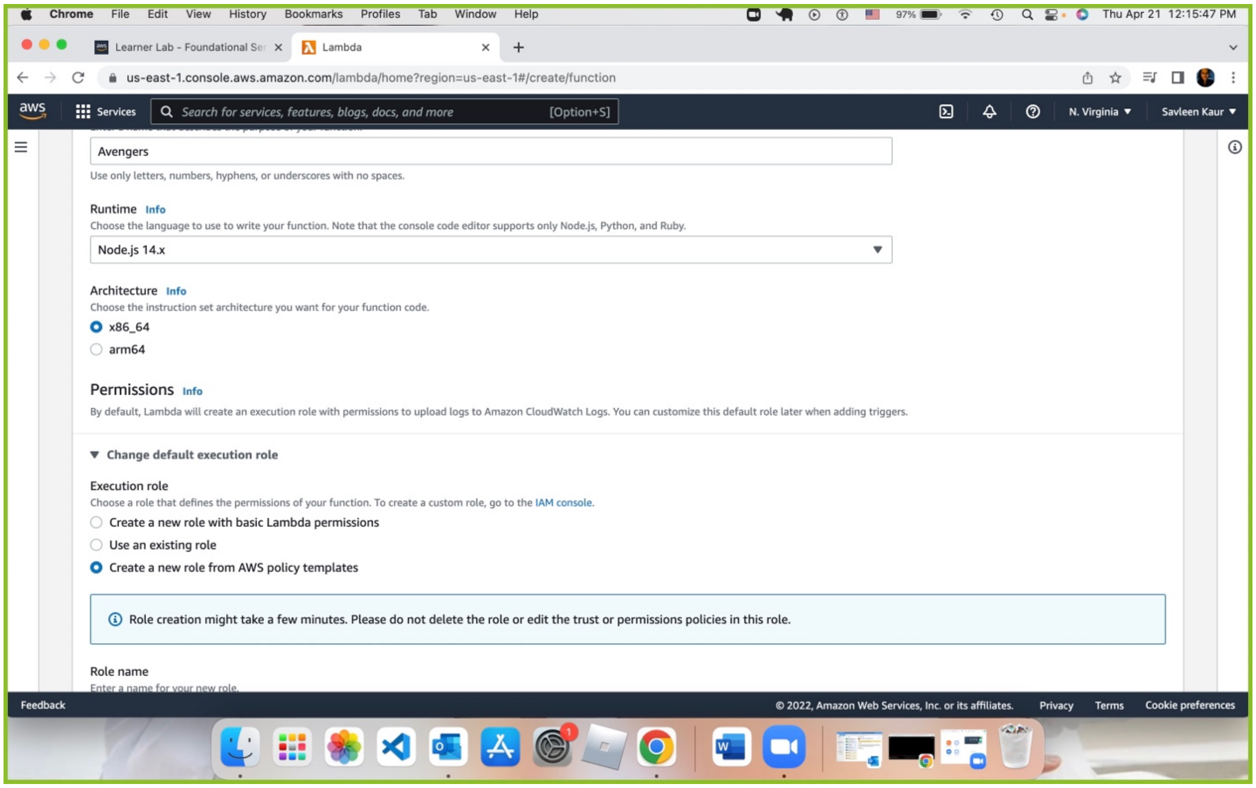
Search for Lambda



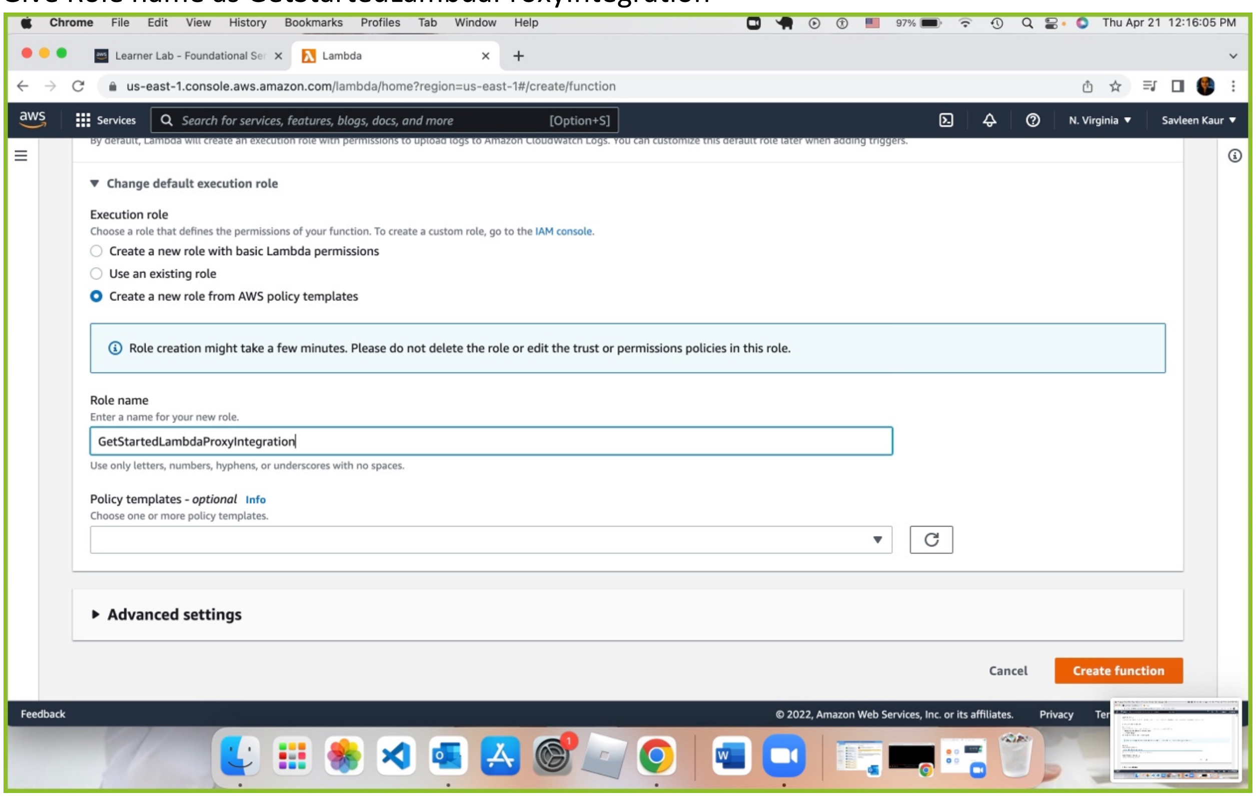
Click on Create Function



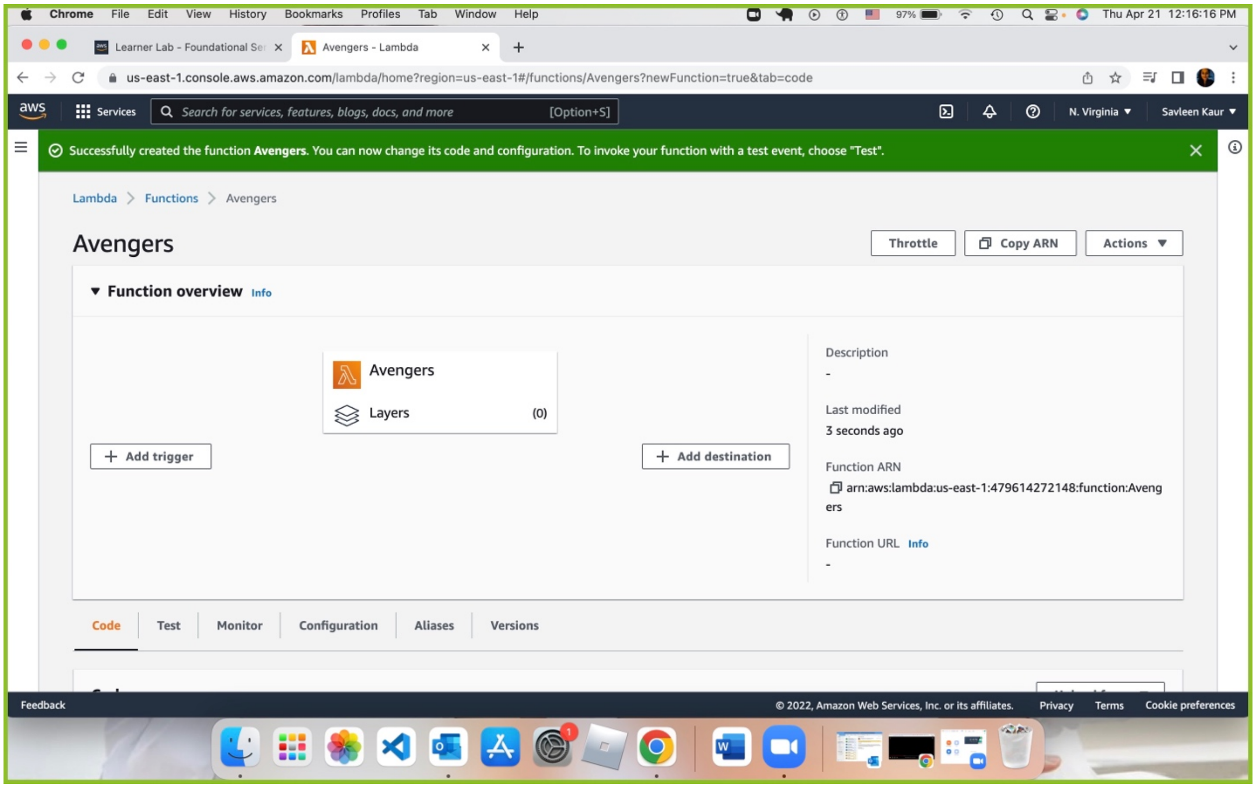
Give name as Avenger
Execution Role- Create a new Role from AWS policy templates



Give Role name as GetStartedLambdaProxyIntegration



Avengers Lambda function has been created

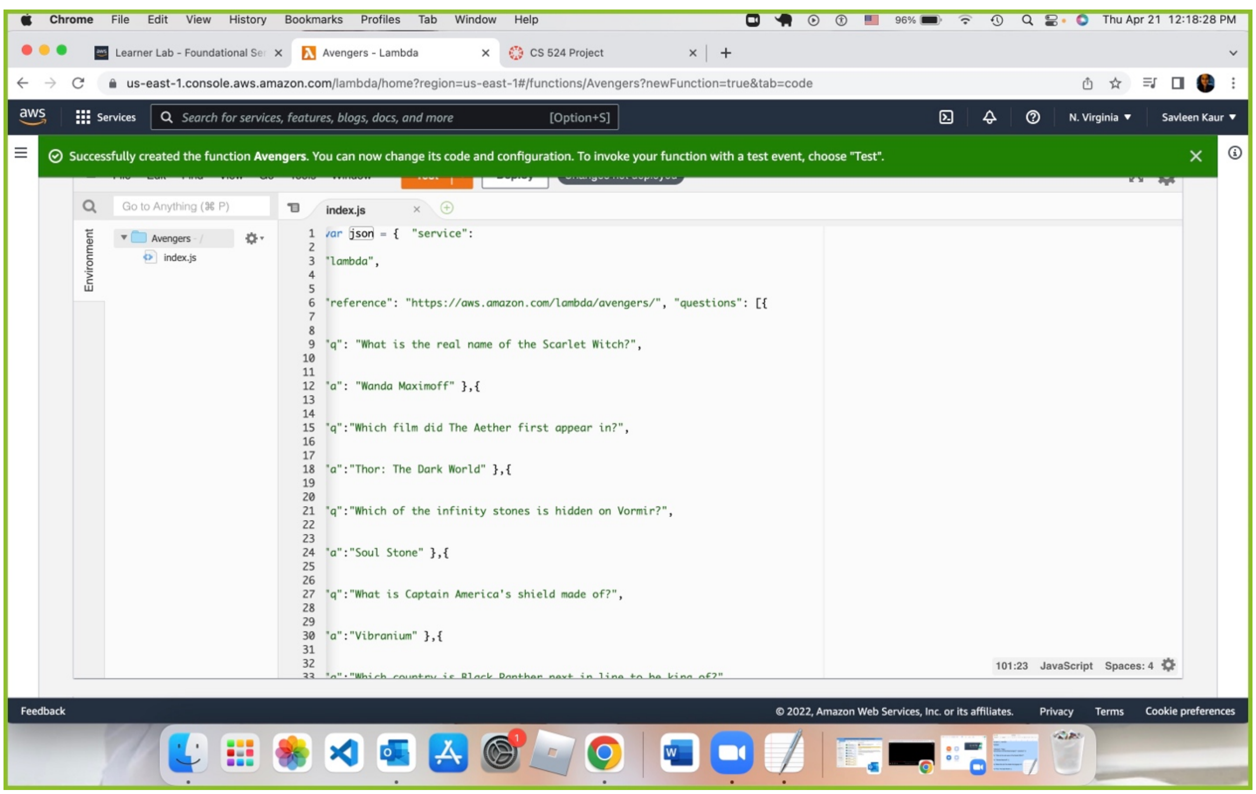


In code, remove the existing code and provide the below code:

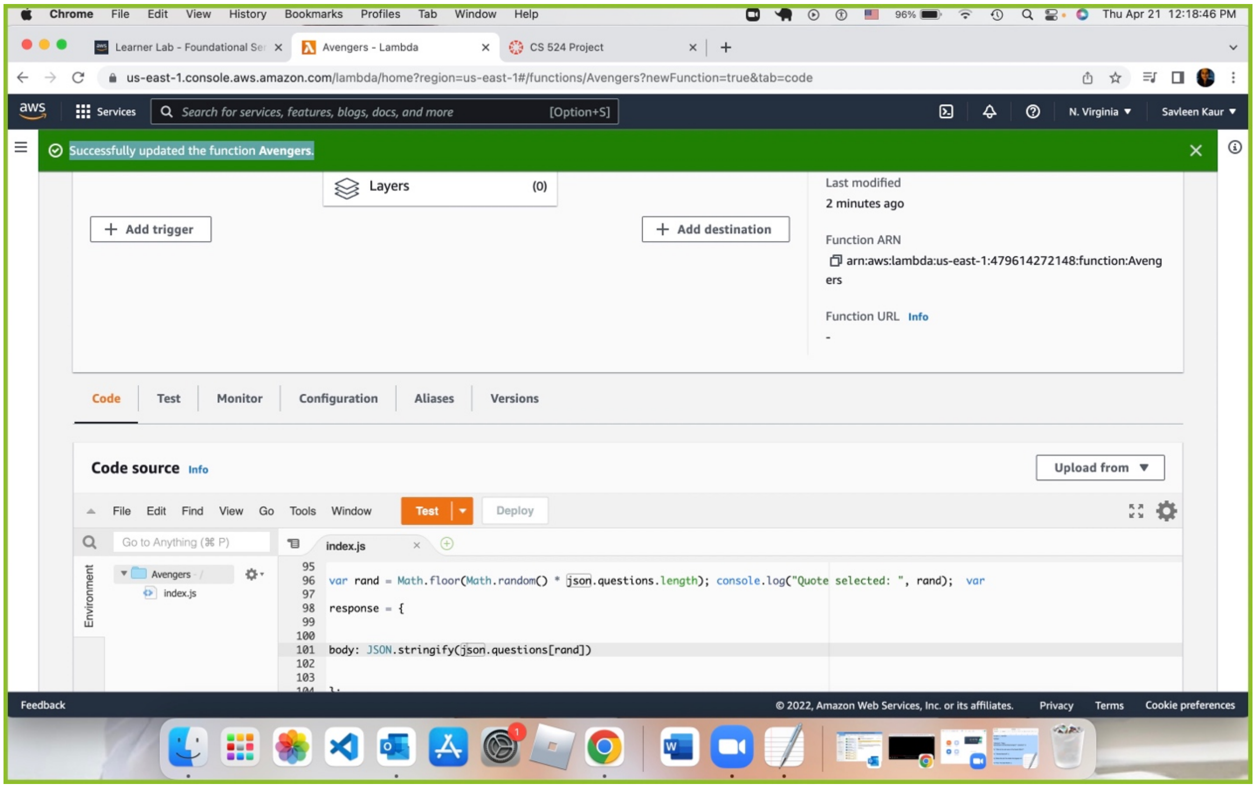
```
var json = {  "service":
"lambda",
"reference": "https://aws.amazon.com/lambda/avengers/", "questions": [{
"q": "What is the real name of the Scarlet Witch?",
"a": "Wanda Maximoff" },{
"q":"Which film did The Aether first appear in?",
"a":"Thor: The Dark World" },{
"q":"Which of the infinity stones is hidden on Vormir?",
"a":"Soul Stone" },{
"q":"What is Captain America's shield made of?",
"a":"Vibranium" },{
"q":"Which country is Black Panther next in line to be king of?",
"a":"Wakanda" },{
"q":"What is the real name of Black Widow?",
"a":"Natasha Romanoff" },{
"q":"What is the name of the axe created for and then used by Thor in Avengers: Infinity War?",
"a":"Stormbreaker" },{
"q":"What is Loki's title?",
"a":"God of Mischief" },{
"q":"What is the name of the organisation which is revealed to have infiltrated S.H.I.E.L.D. in
```

Captain America: The Winter Soldier?",
"a":"Hydra" },{

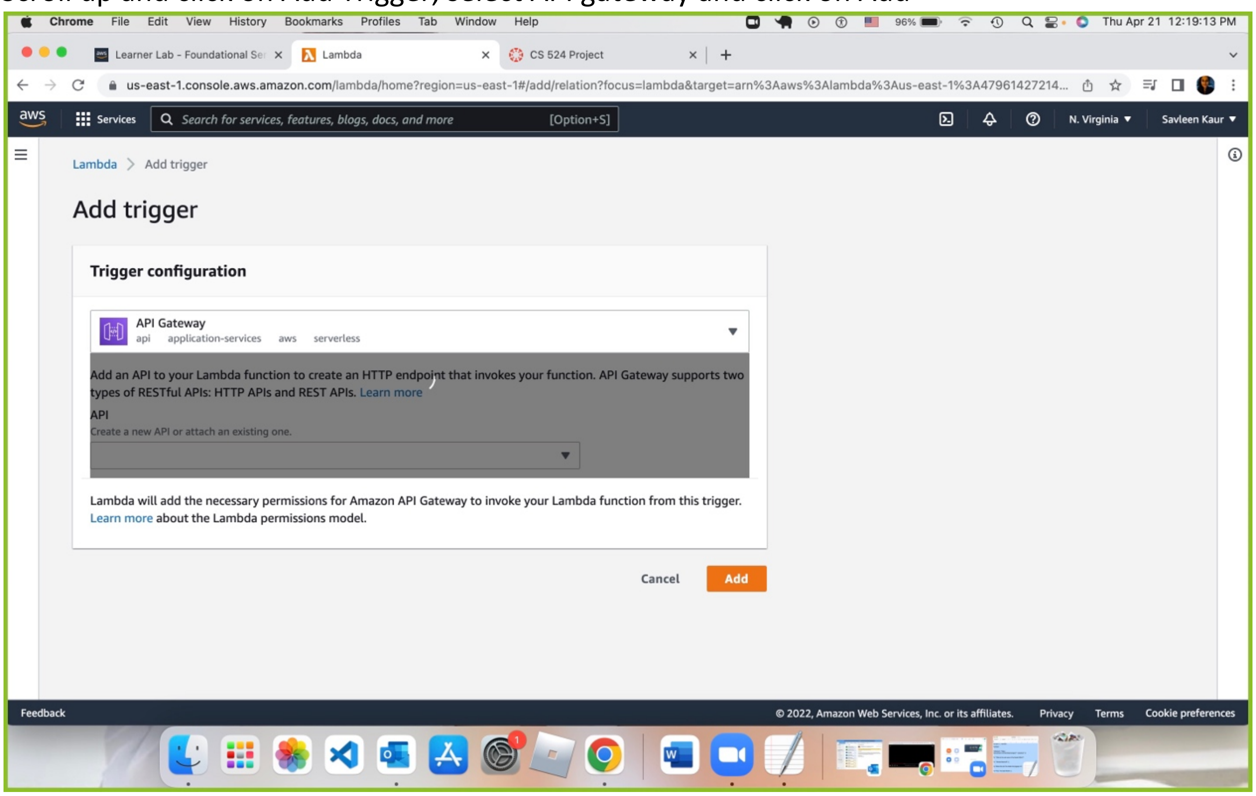
"q":"What nickname does Captain America know the Winter Solider as?", "a":"Bucky"
},{
"q":"What food do the Avengers go to eat after the Battle of New York in the first Avengers film at Tony Stark's suggestion?",
"a":"Shawarma" },{
"q":"What type of radiation caused Bruce Banner to become the Hulk?",
"a":"Gamma rays" },{
"q":"What is the name of the treaty the Avengers are asked to sign which divide the Avengers, bringing us to Captain America: Civil War?",
"a":"The Sokovia Accords" },{
"q":"Who has directed the most MCU movies?",
"a":"The Russo Brothers" }
] }
exports.handler = function(event, context) {
var rand = Math.floor(Math.random() * json.questions.length); console.log("Quote selected: ", rand); var
response = { body: JSON.stringify(json.questions[rand])   };
console.log(response); context.succeed(response);
};



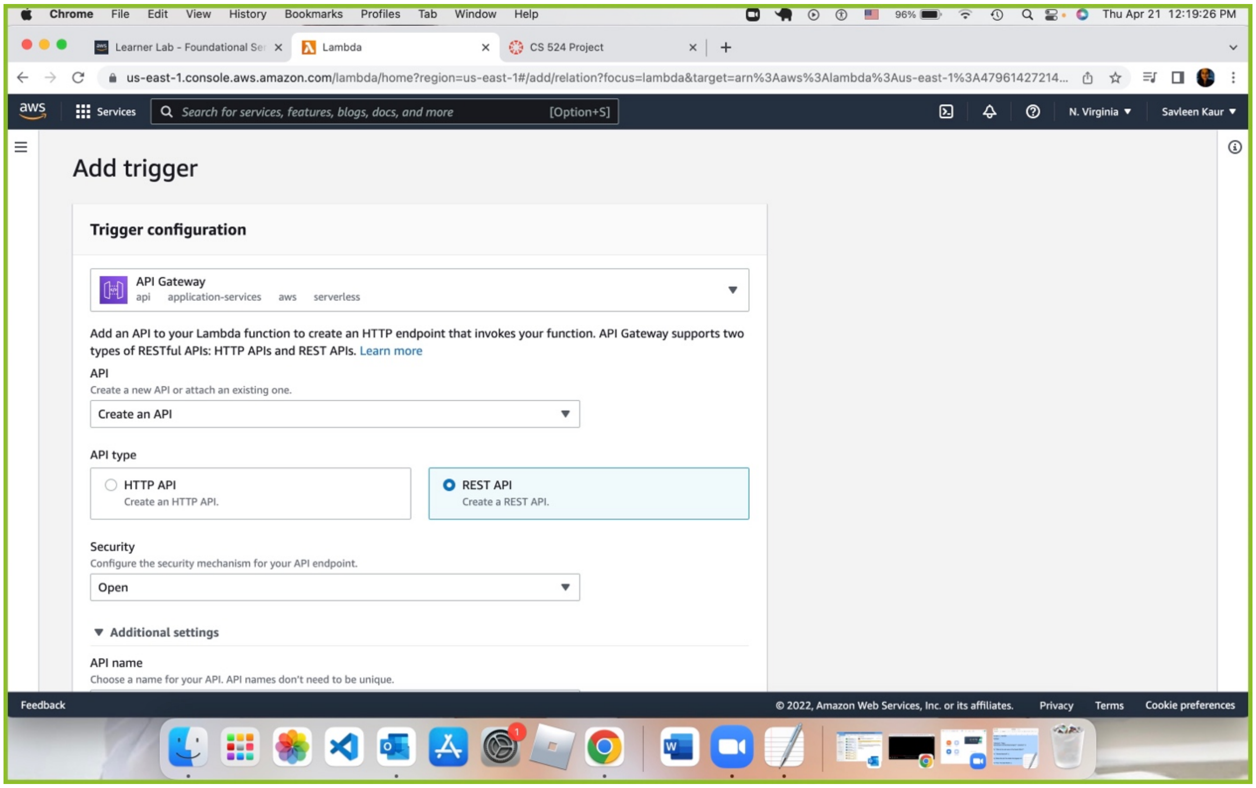
After that click on Deploy
Avengers function has been updated



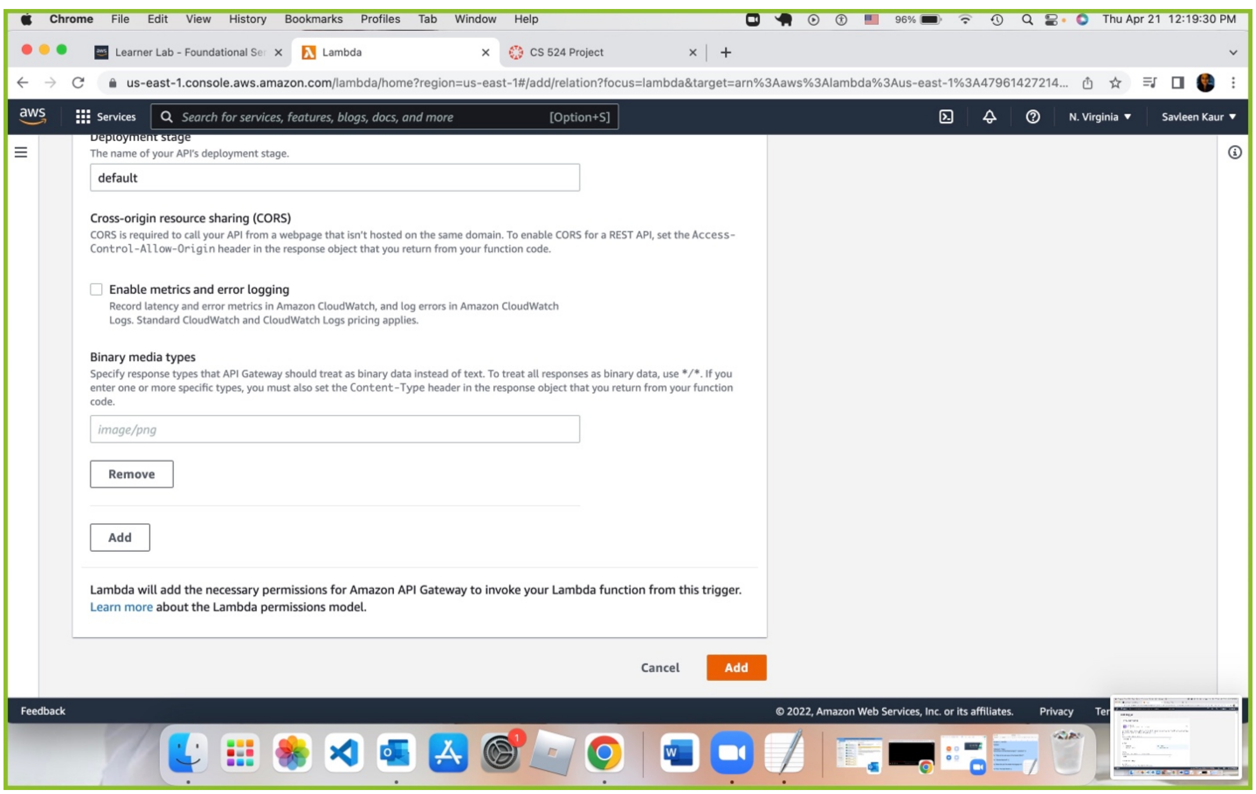
Scroll up and click on Add Trigger, select API gateway and click on Add



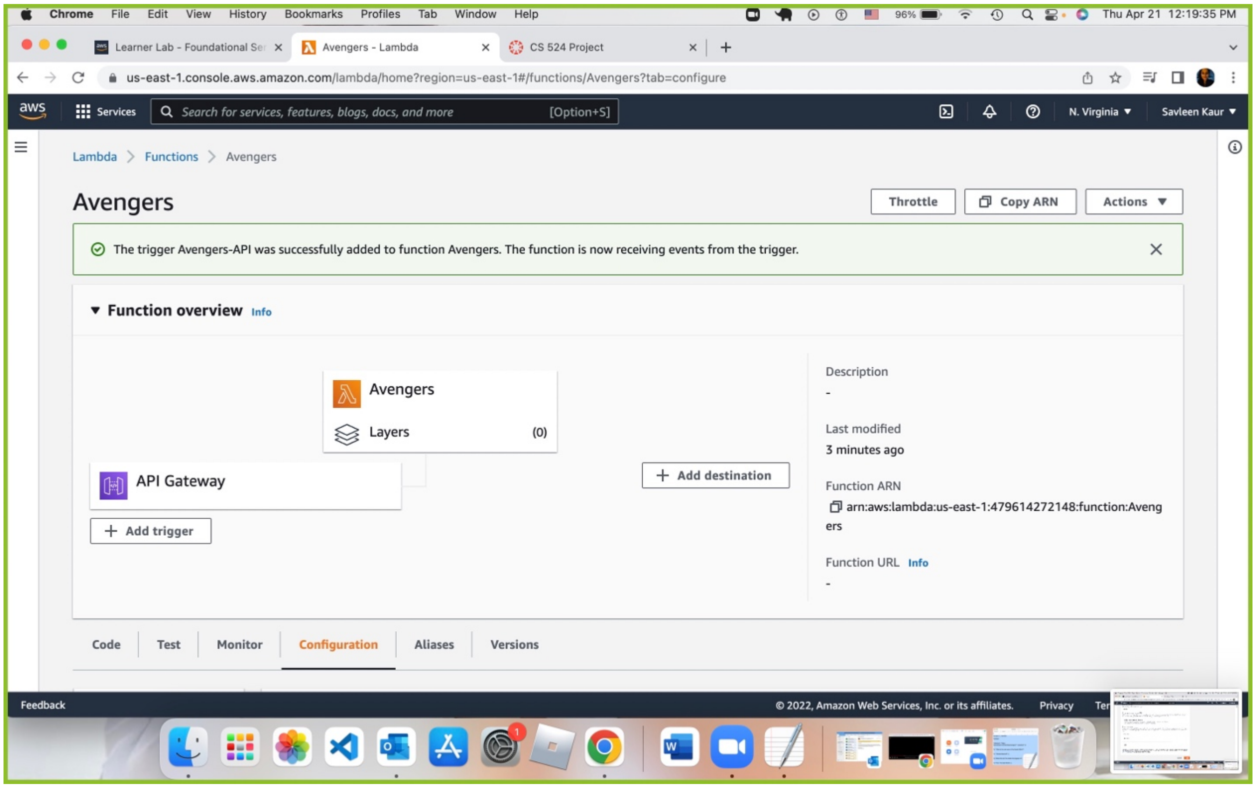
Select API Gateway, Create an API and API type as REST API, provide security as Open



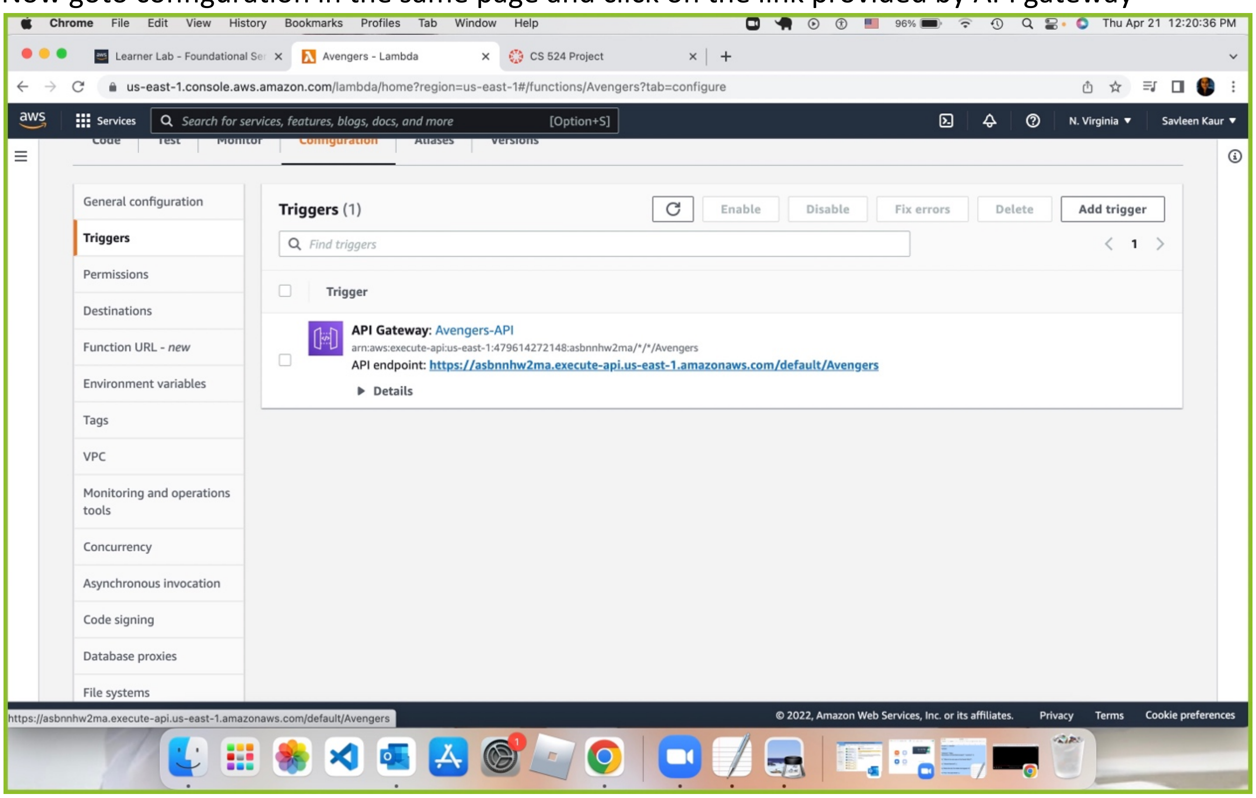
Click on Add



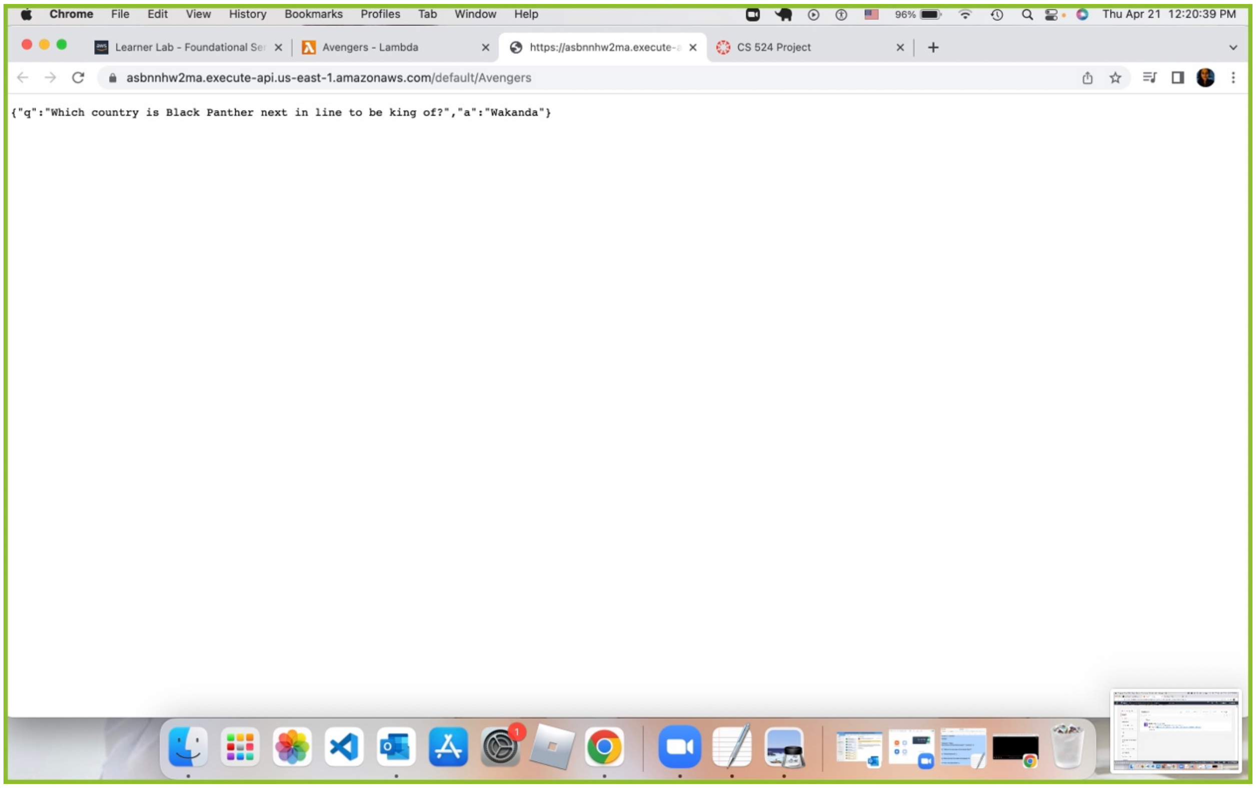
Trigger was added to Avengers-API



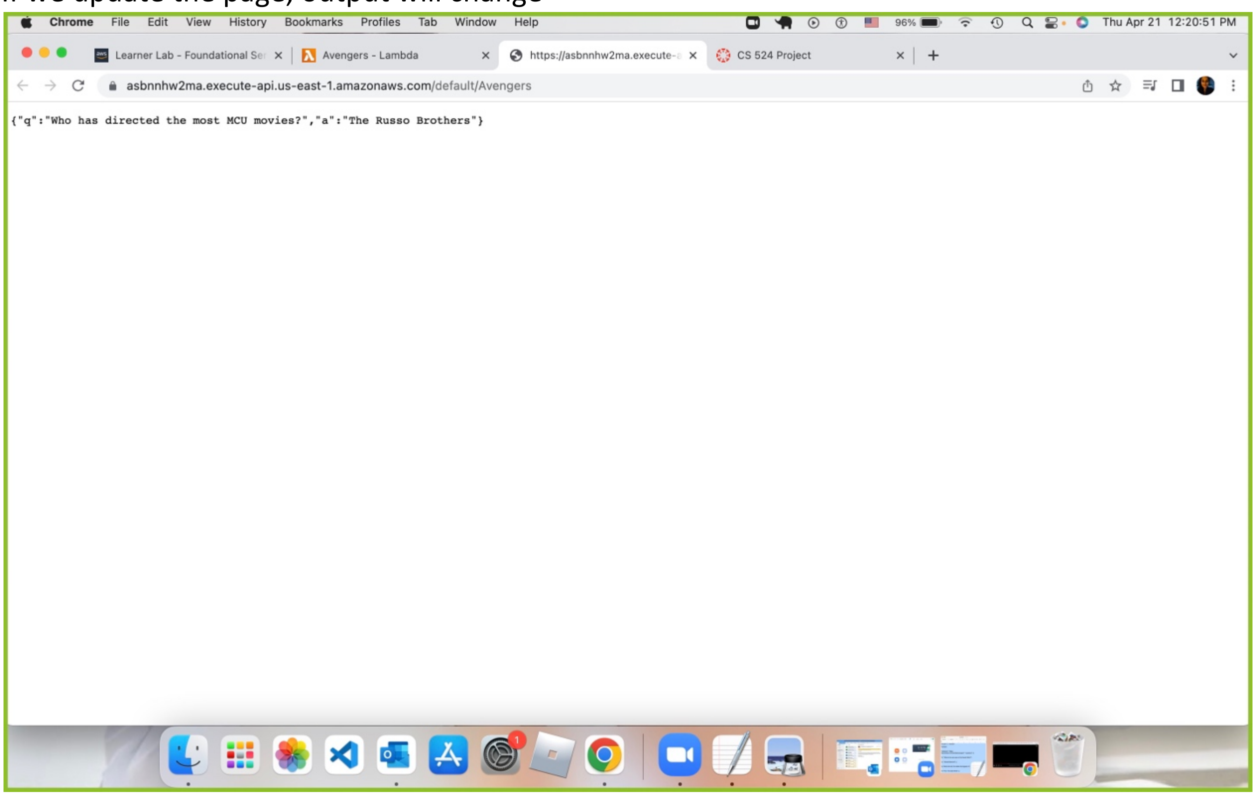
Now goto configuration in the same page and click on the link provided by API gateway



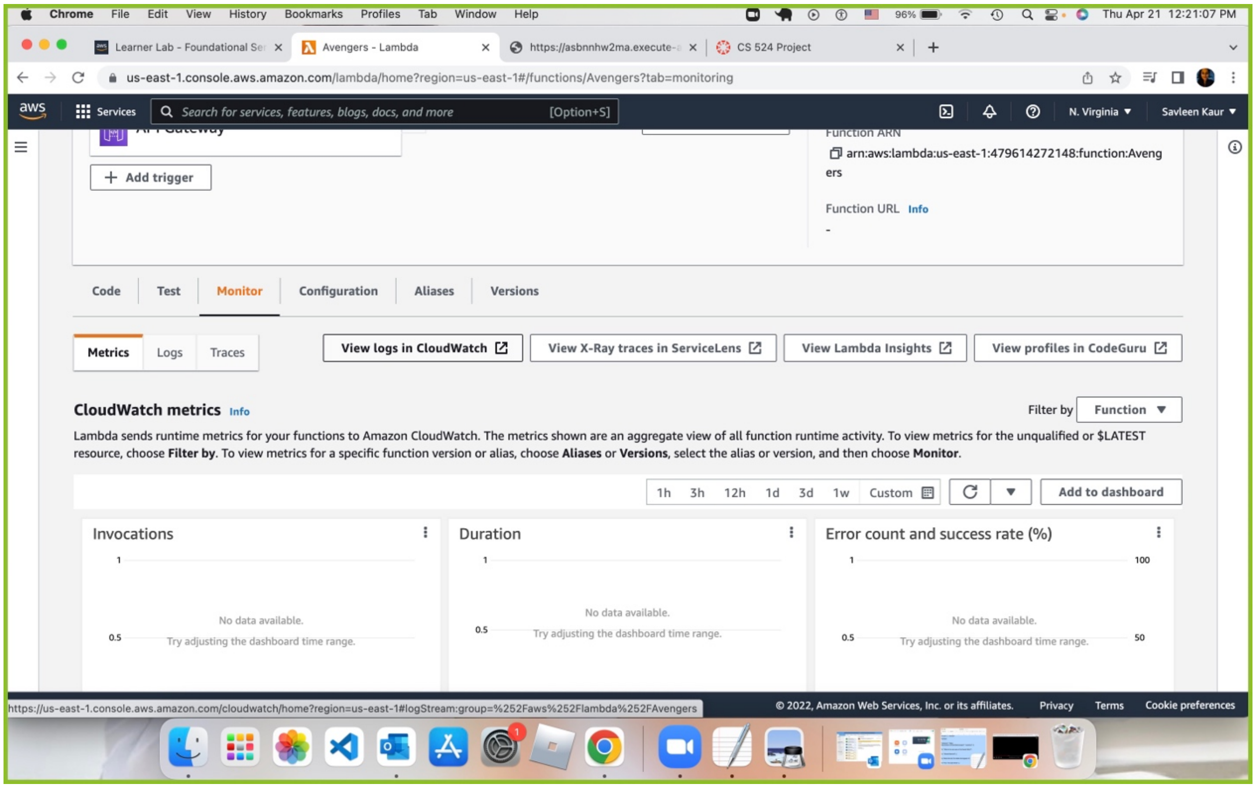
We can see our output from the json code



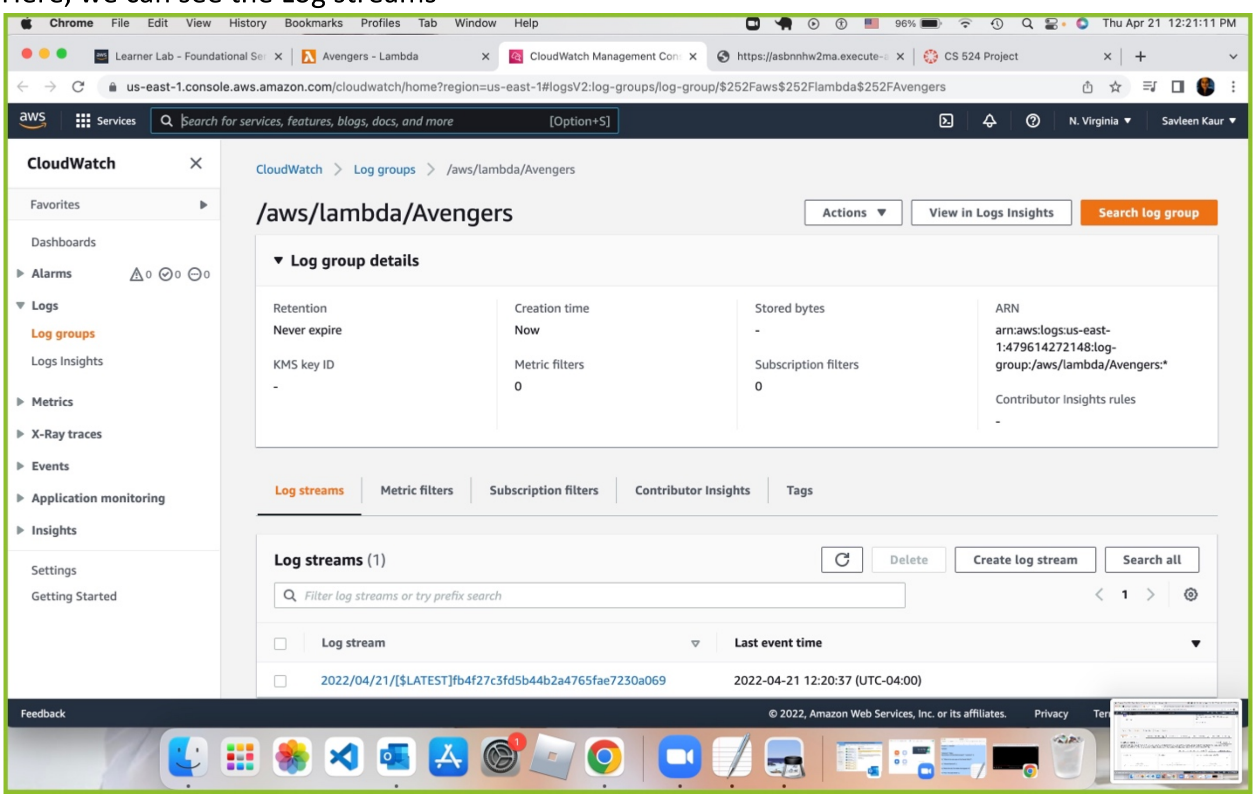
If we update the page, output will change



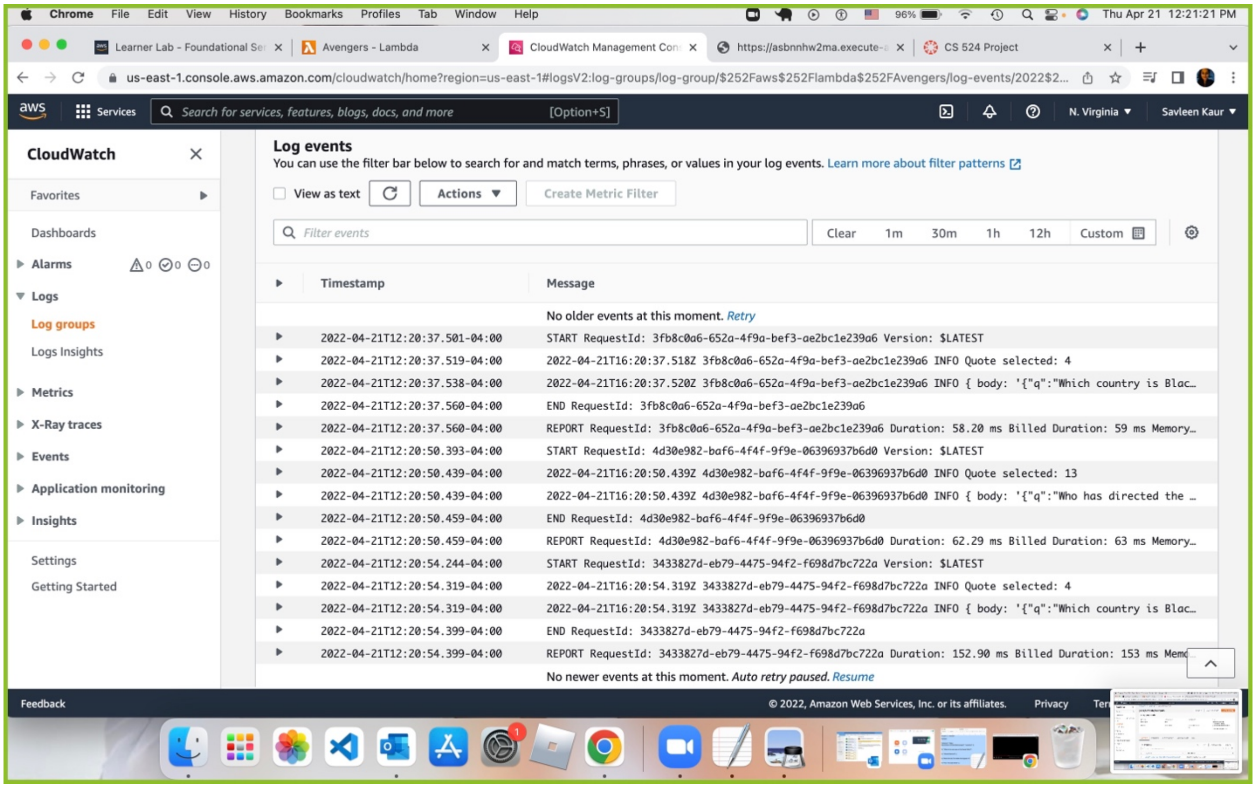
Now goto Monitor and click on View logs in CloudWatch

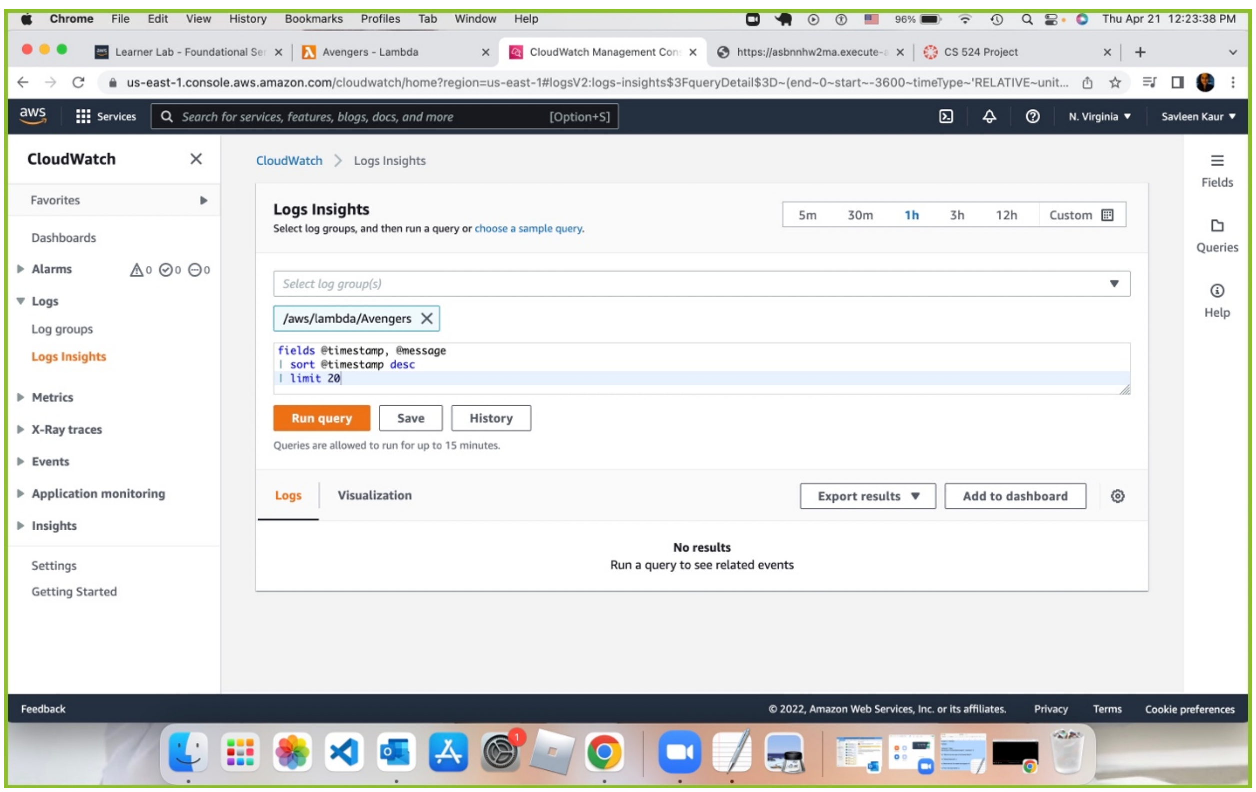


Here, we can see the Log streams



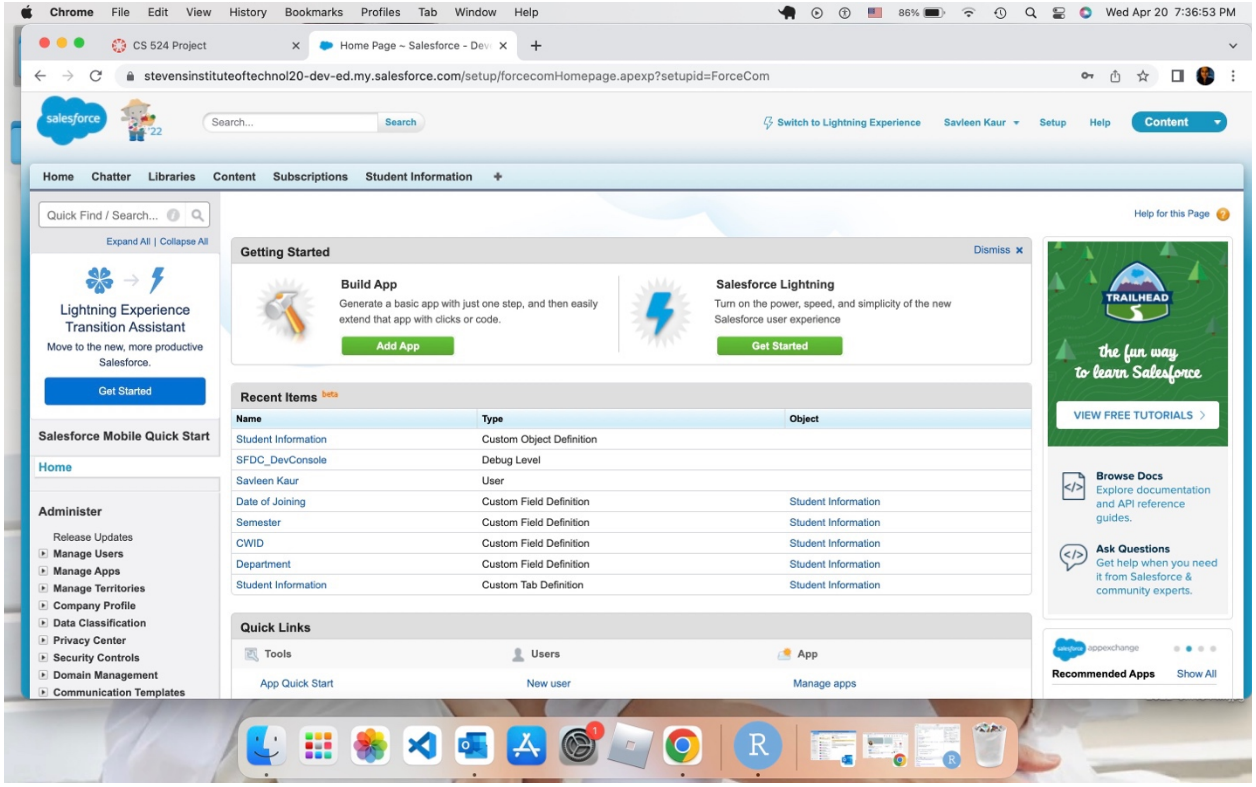
If we click on the log, we will see the log events as specified in the query as shown in next ss



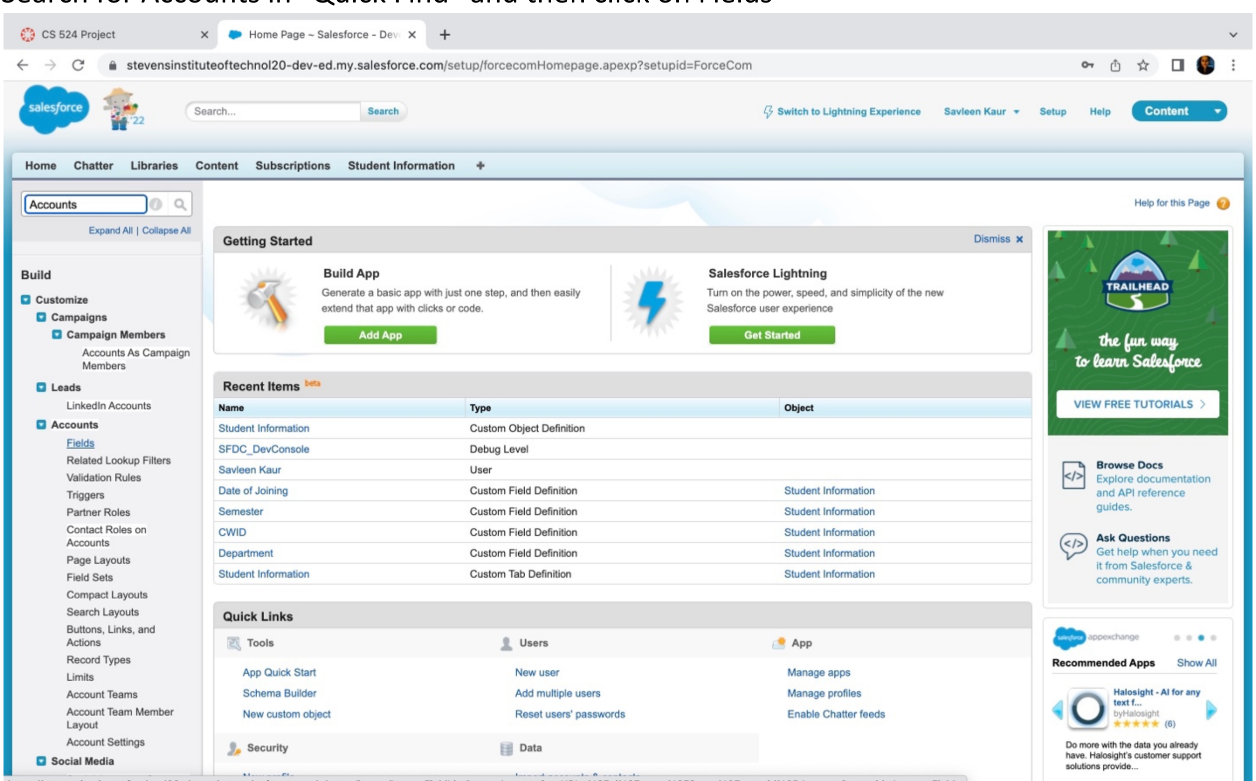


Part B

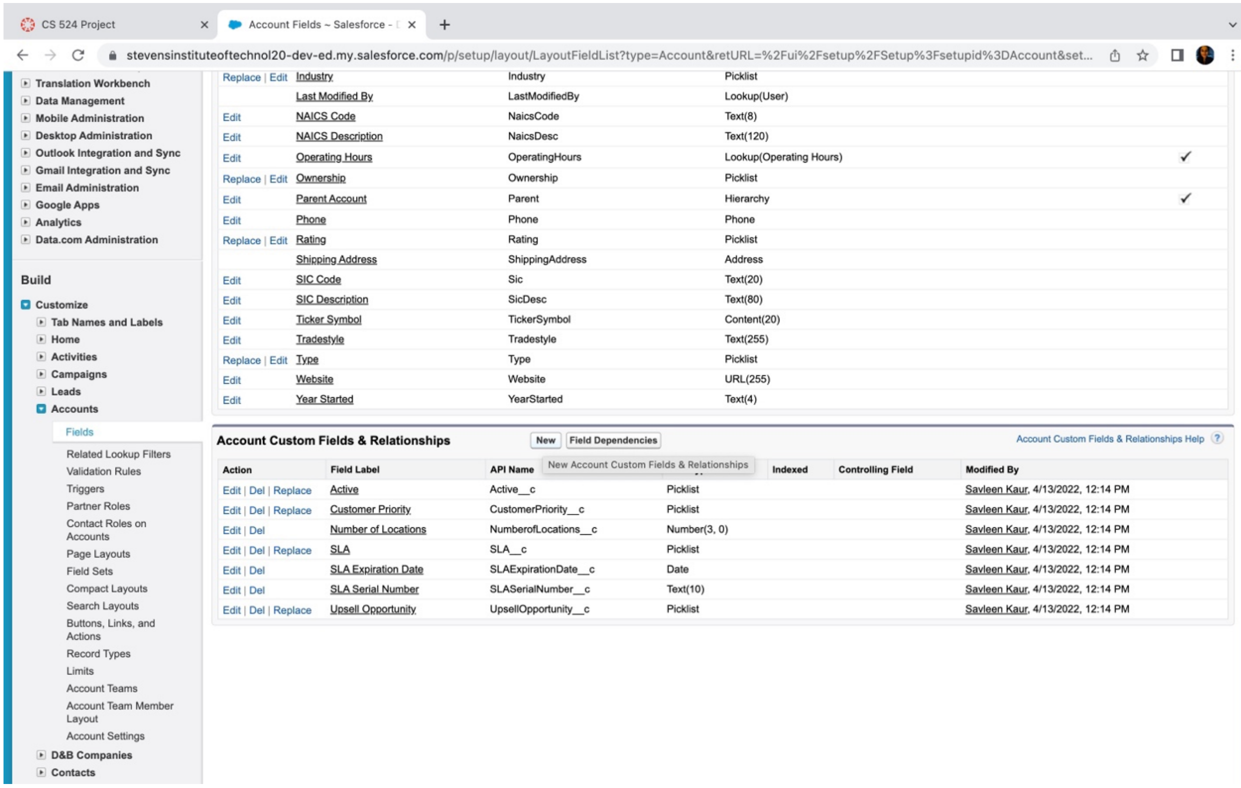
Login to the Salesforce homepage



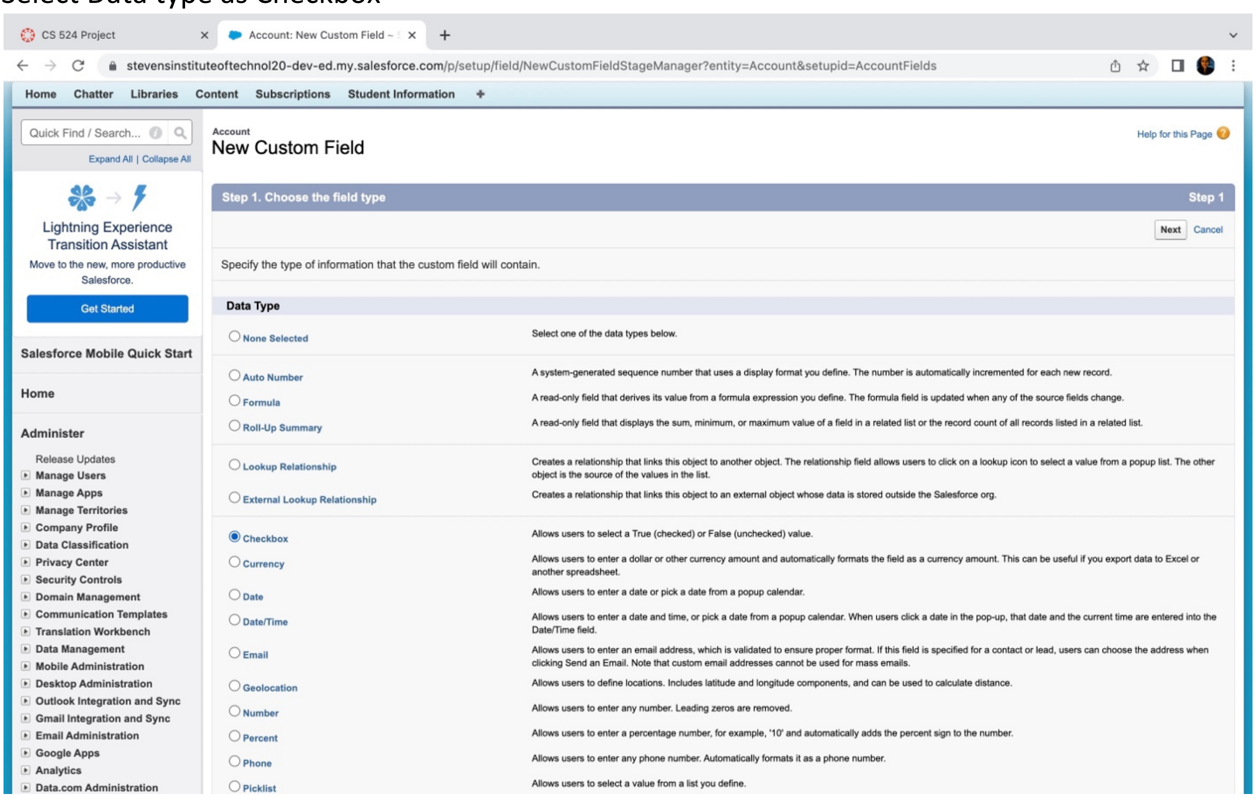
Search for Accounts in “Quick Find” and then click on Fields



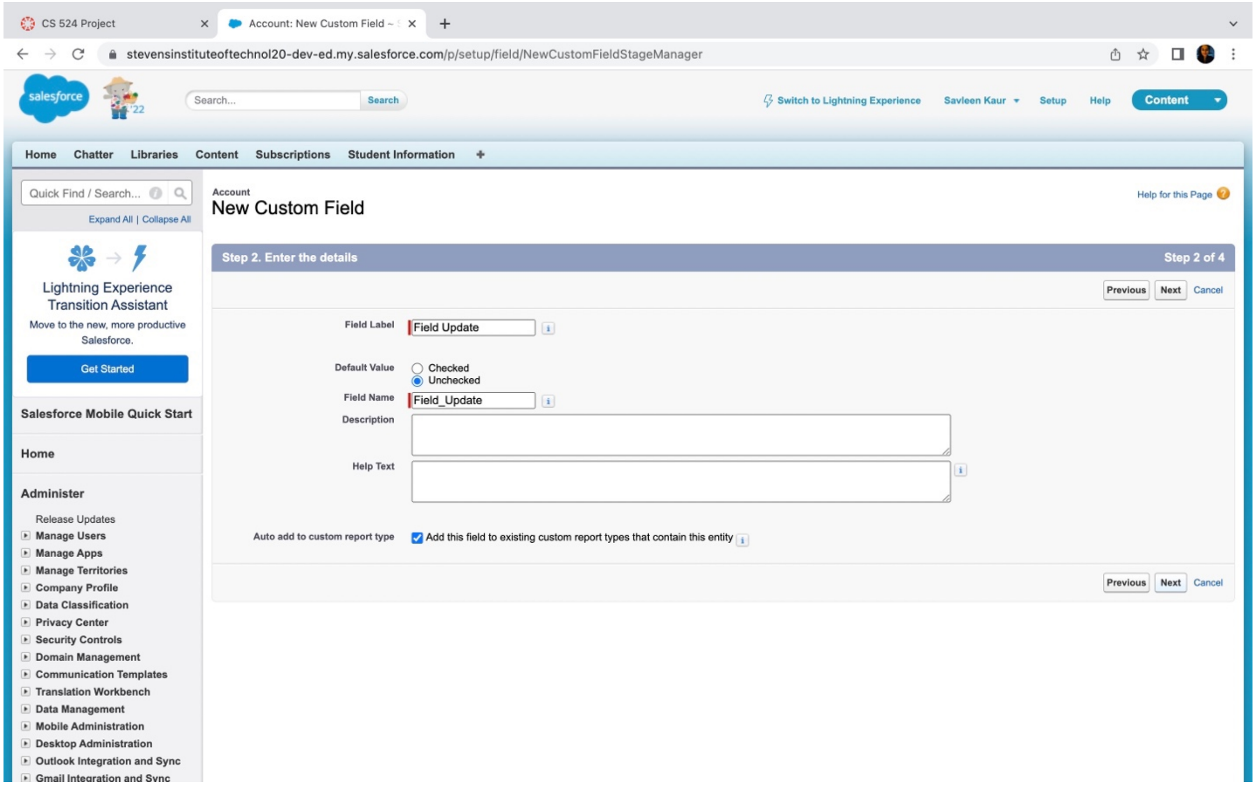
Goto Account Custom Fields & Relationships and click on New



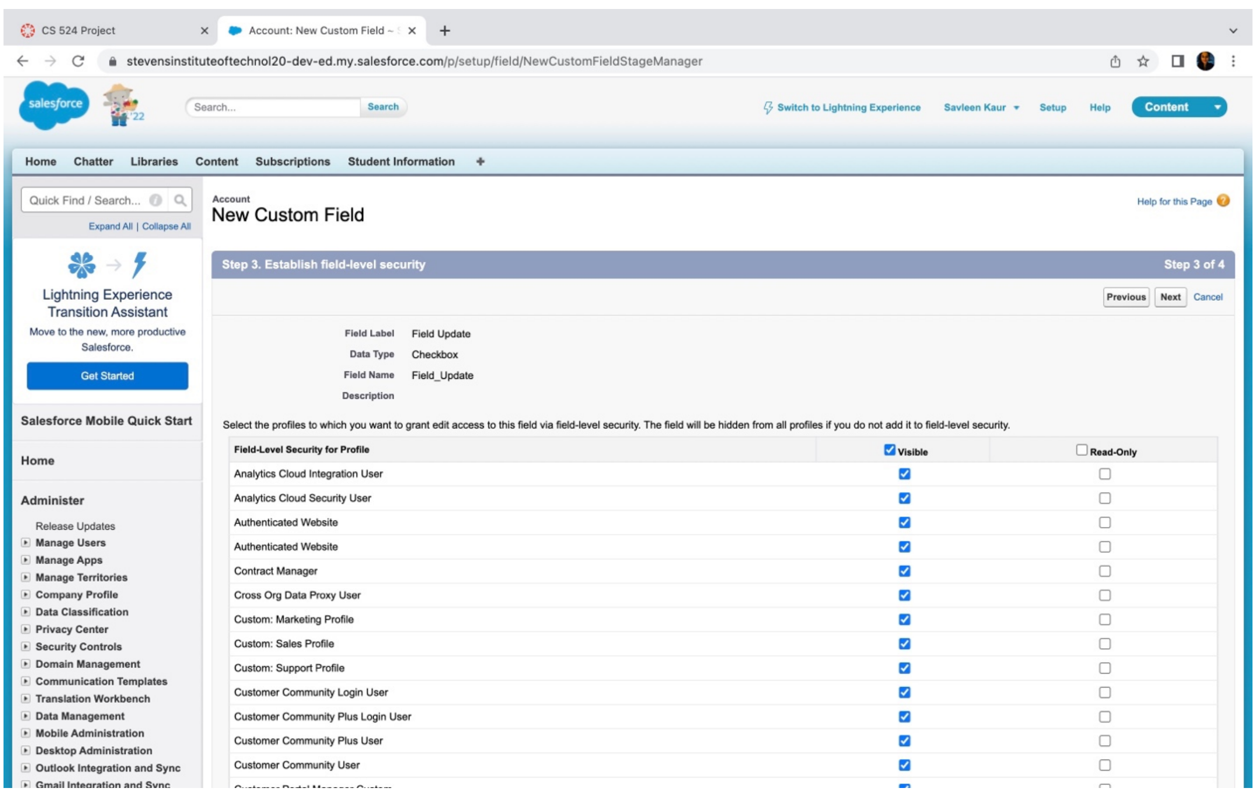
Select Data type as Checkbox



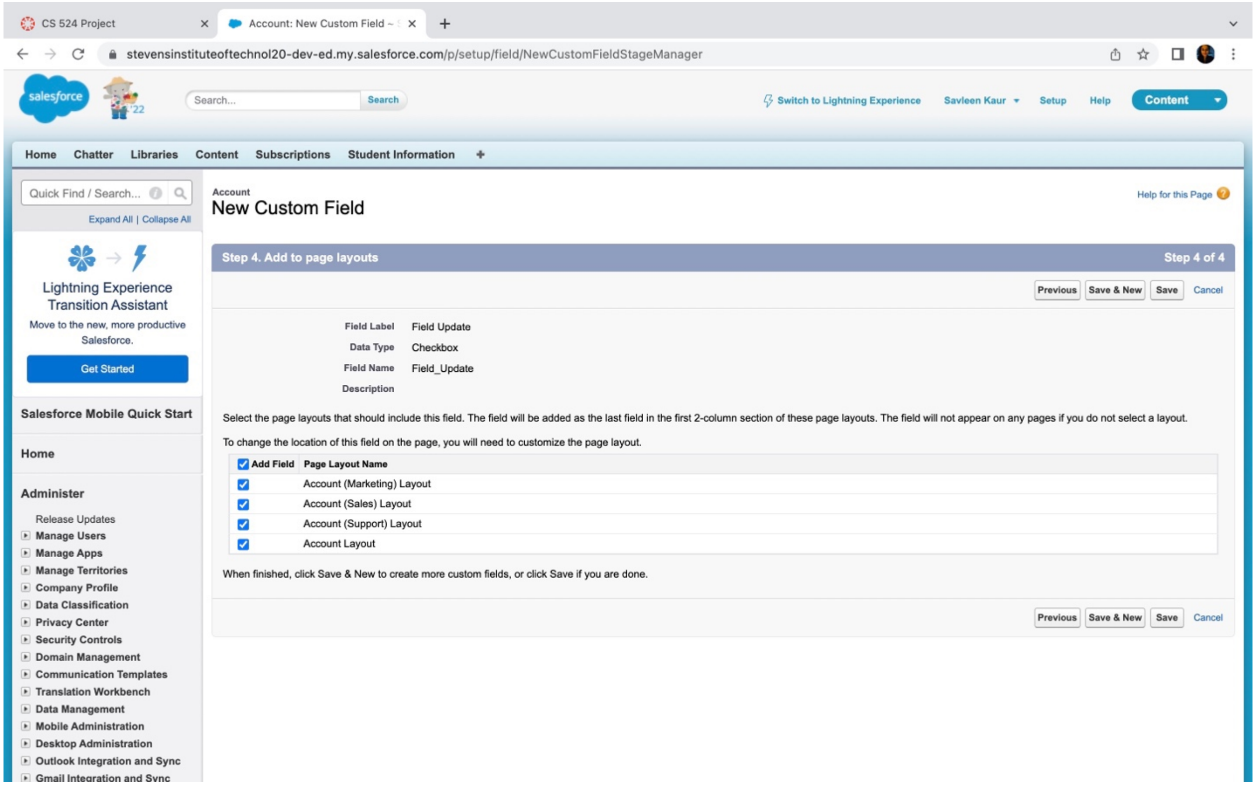
Give Field Label as “Field Update” and Default Value- “Unchecked”



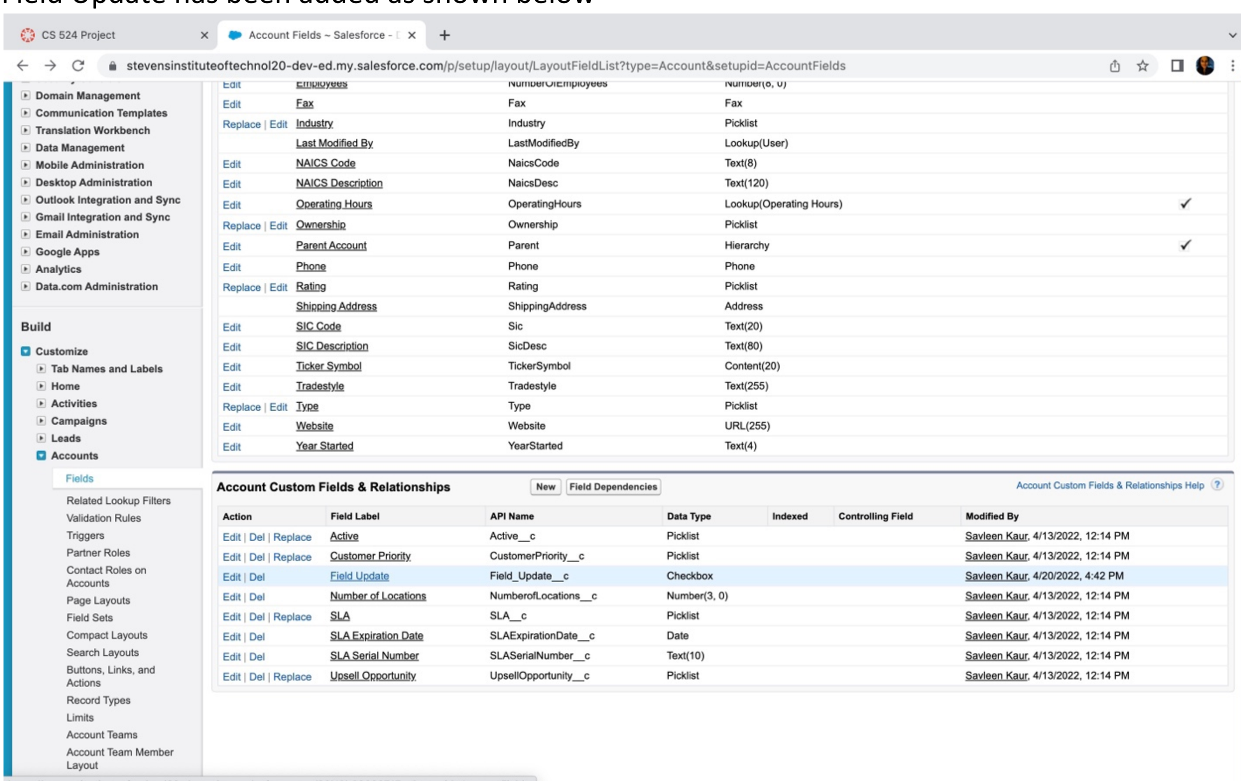
Click on Visible



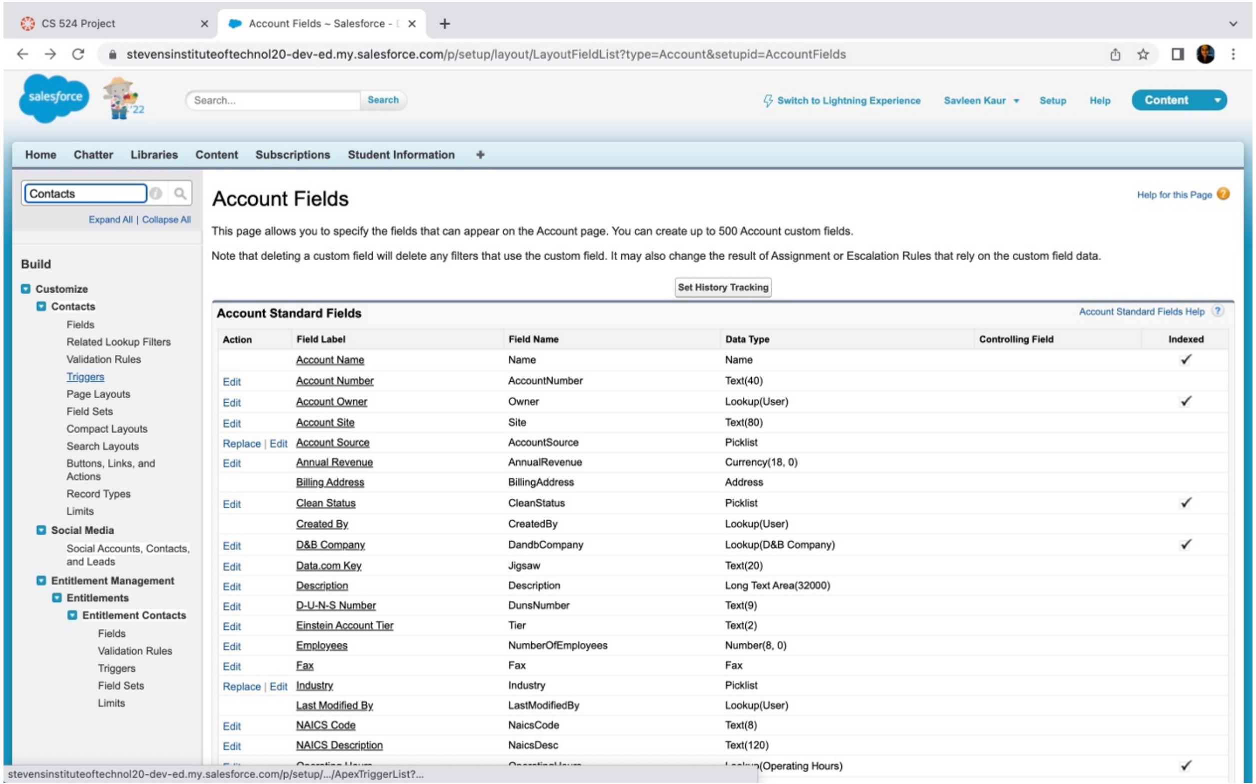
Click on Save



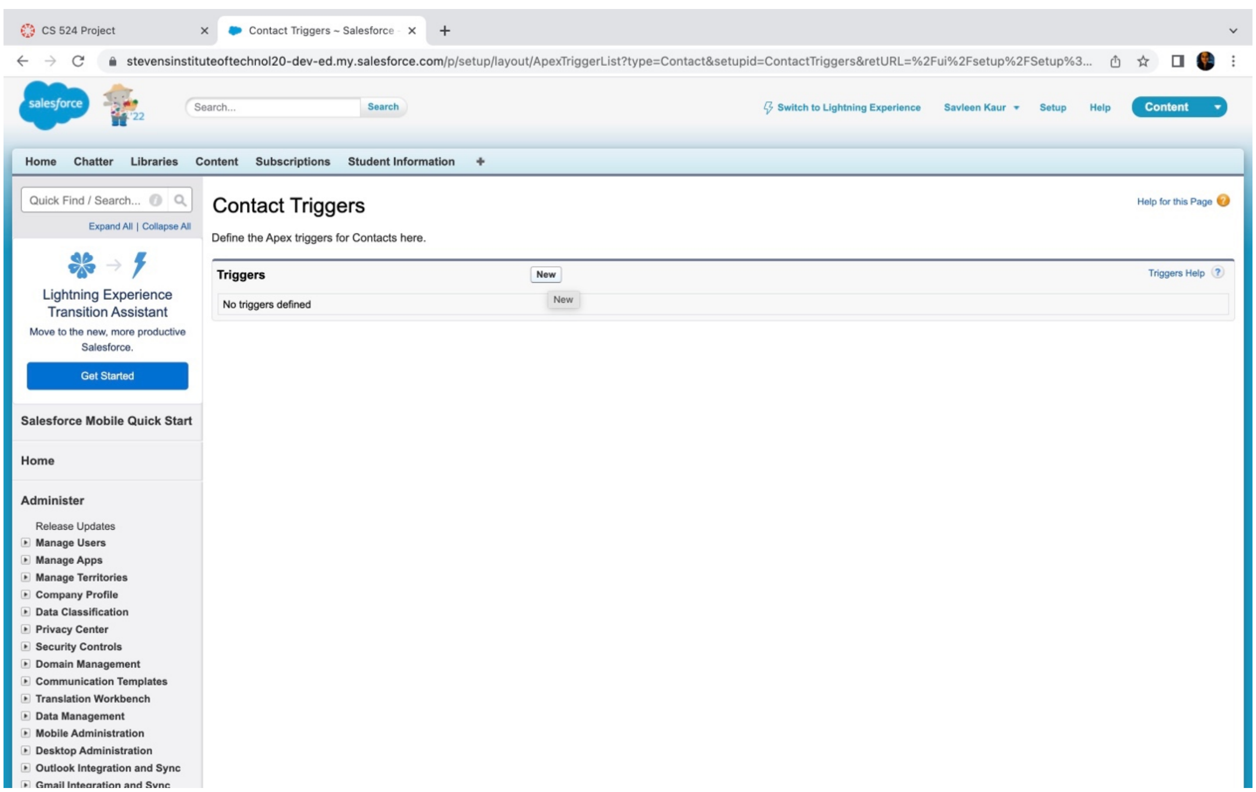
Field Update has been added as shown below



Goto “Quick Find” and search for Contacts, in Contacts, select Triggers



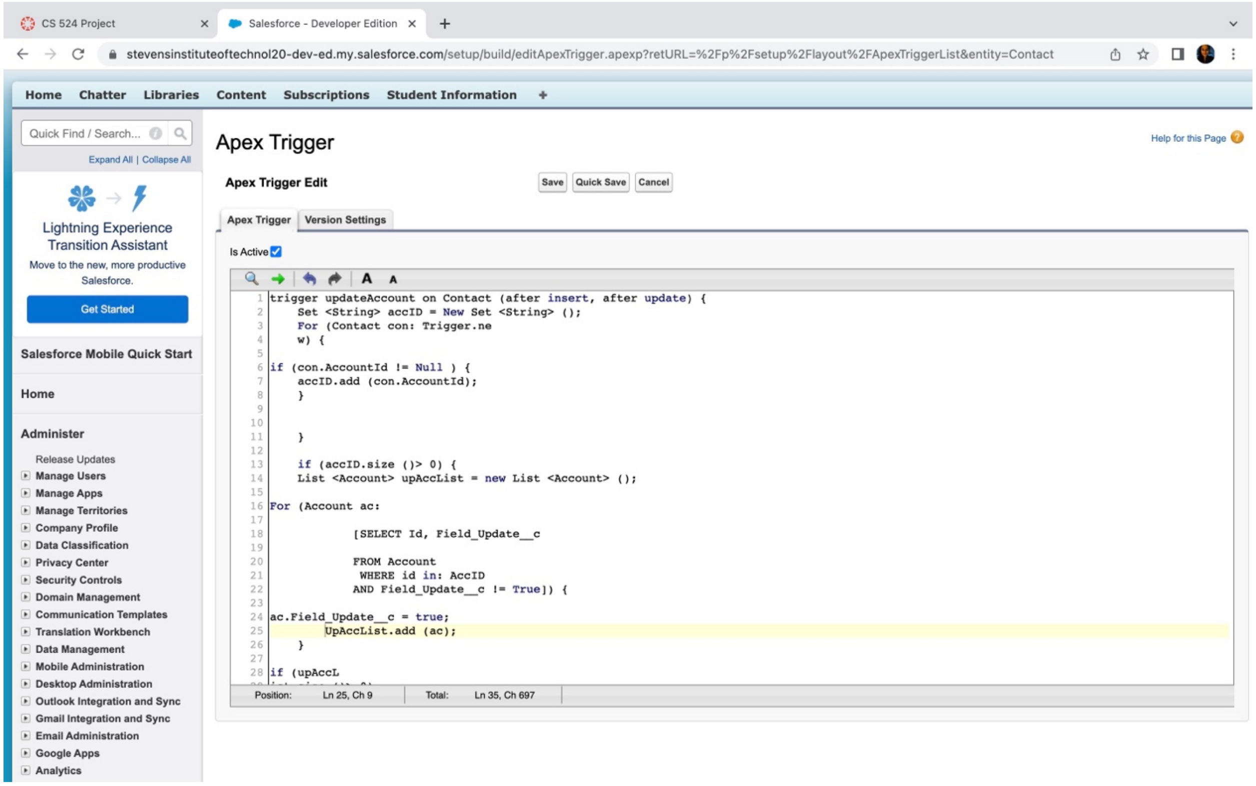
Click on “New”

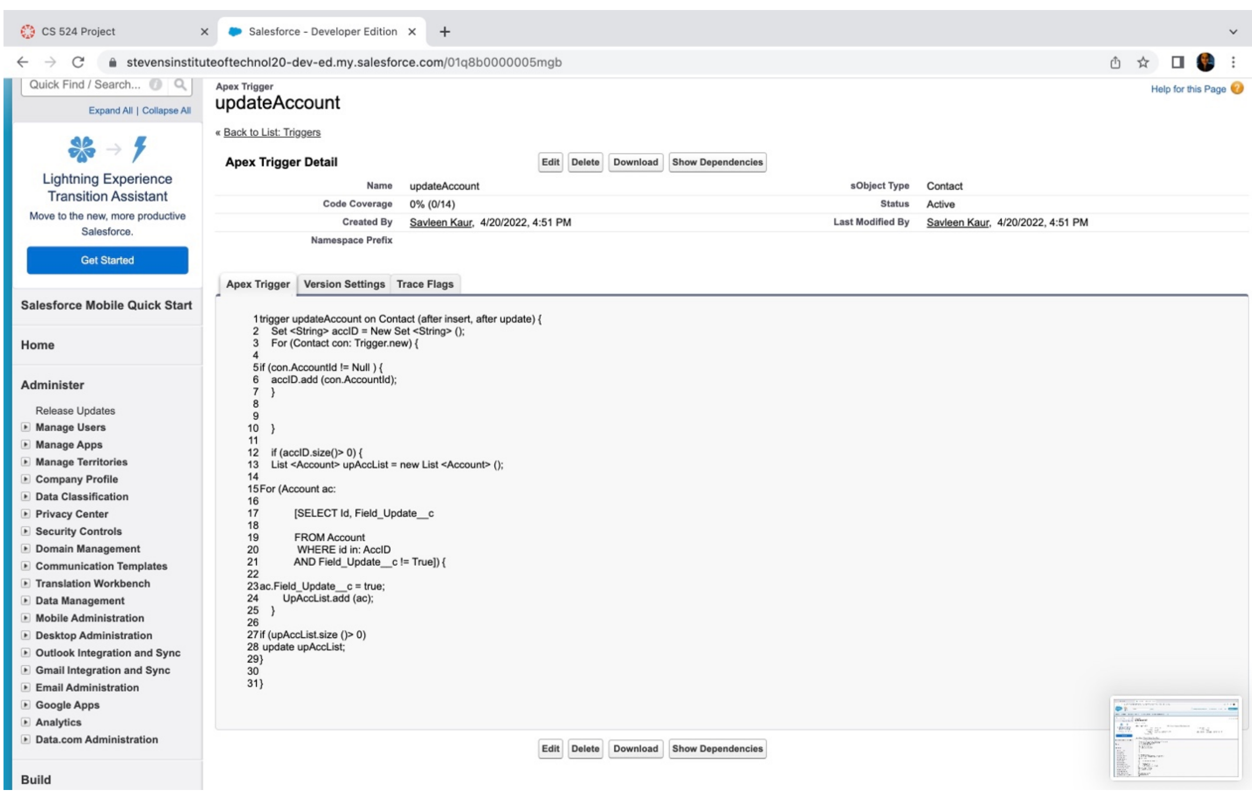


Remove the existing script and provide the below script in the console:

```
trigger updateAccount on Contact (after insert, after update) {
   Set <String> accID = New Set <String> ();
   For (Contact con: Trigger.new) {
if (con.AccountId != Null ) {
      accID.add (con.AccountId);
      }
   }
   if (accID.size ()> 0) {
      List <Account> upAccList = new List <Account> ();
For (Account ac:
      [SELECT Id, Field_Update__c
                     FROM Account
                     WHERE id in: AccID
                    AND Field_Update__c != True]) {
ac.Field_Update__c = true;
         UpAccList.add (ac);
      }
      if (upAccList.size ()> 0)
         update upAccList;
   }
}
```

Check isActive and Click on Save


CS 524 Project
Salesforce - Developer Edition
stevensinstituteoftechnol20-dev-ed.my.salesforce.com/setup/build/editApexTrigger.apexp?retURL=%2Fp%2Fsetup%2Flayout%2FApexTriggerList&entity=Contact
Home Chatter Libraries Content Subscriptions Student Information
Quick Find / Search...
Expand All | Collapse All
Lightning Experience Transition Assistant
Move to the new, more productive Salesforce.
Get Started
Salesforce Mobile Quick Start
Home
Administer
Release Updates
Manage Users
Manage Apps
Manage Territories
Company Profile
Data Classification
Privacy Center
Security Controls
Domain Management
Communication Templates
Translation Workbench
Data Management
Mobile Administration
Desktop Administration
Outlook Integration and Sync
Gmail Integration and Sync
Email Administration
Google Apps
Analytics
Apex Trigger
Help for this Page
Apex Trigger Edit
Save
Quick Save
Cancel
Apex Trigger
Version Settings
Is Active
trigger updateAccount on Contact (after insert, after update) {
    Set <String> accID = New Set <String> ();
    For (Contact con: Trigger.ne
    w) {
if (con.AccountId != Null) {
    accID.add (con.AccountId);
    }
    }
    if (accID.size ()> 0) {
    List <Account> upAccList = new List <Account> ();
For (Account ac:
           [SELECT Id, Field_Update__c
           FROM Account
            WHERE id in: AccID
           AND Field_Update__c != True]) {
ac.Field_Update__c = true;
        UpAccList.add (ac);
    }
if (upAccL
Position: Ln 25, Ch 9
Total: Ln 35, Ch 697


CS 524 Project
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Quick Find / Search...
Expand All | Collapse All
Lightning Experience Transition Assistant
Move to the new, more productive Salesforce.
Get Started
Salesforce Mobile Quick Start
Home
Administer
Release Updates
Manage Users
Manage Apps
Manage Territories
Company Profile
Data Classification
Privacy Center
Security Controls
Domain Management
Communication Templates
Translation Workbench
Data Management
Mobile Administration
Desktop Administration
Outlook Integration and Sync
Gmail Integration and Sync
Email Administration
Google Apps
Analytics
Data.com Administration
Build
Apex Trigger
updateAccount
Help for this Page
« Back to List: Triggers
Apex Trigger Detail
Edit
Delete
Download
Show Dependencies
Name updateAccount
sObject Type Contact
Code Coverage 0% (0/14)
Status Active
Created By Savleen Kaur, 4/20/2022, 4:51 PM
Last Modified By Savleen Kaur, 4/20/2022, 4:51 PM
Namespace Prefix
Apex Trigger
Version Settings
Trace Flags
trigger updateAccount on Contact (after insert, after update) {
  Set <String> accID = New Set <String> ();
  For (Contact con: Trigger.new) {
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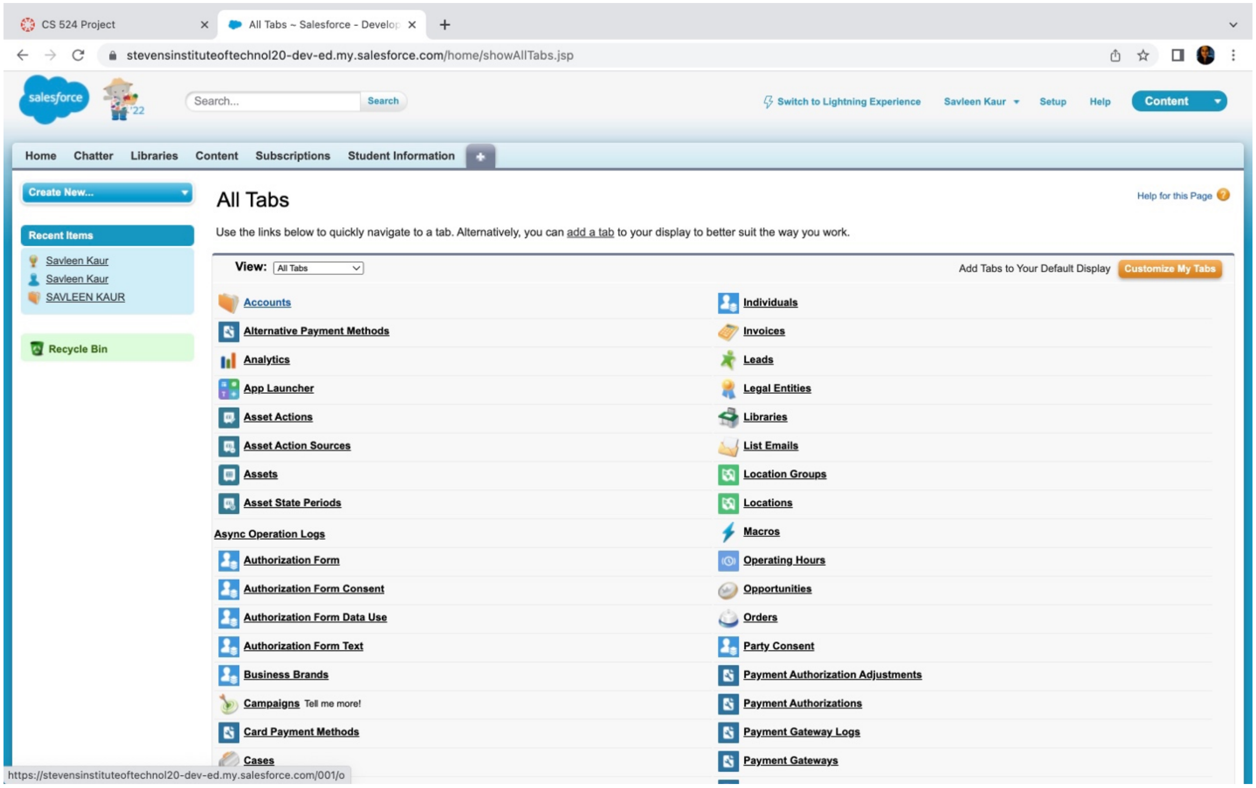
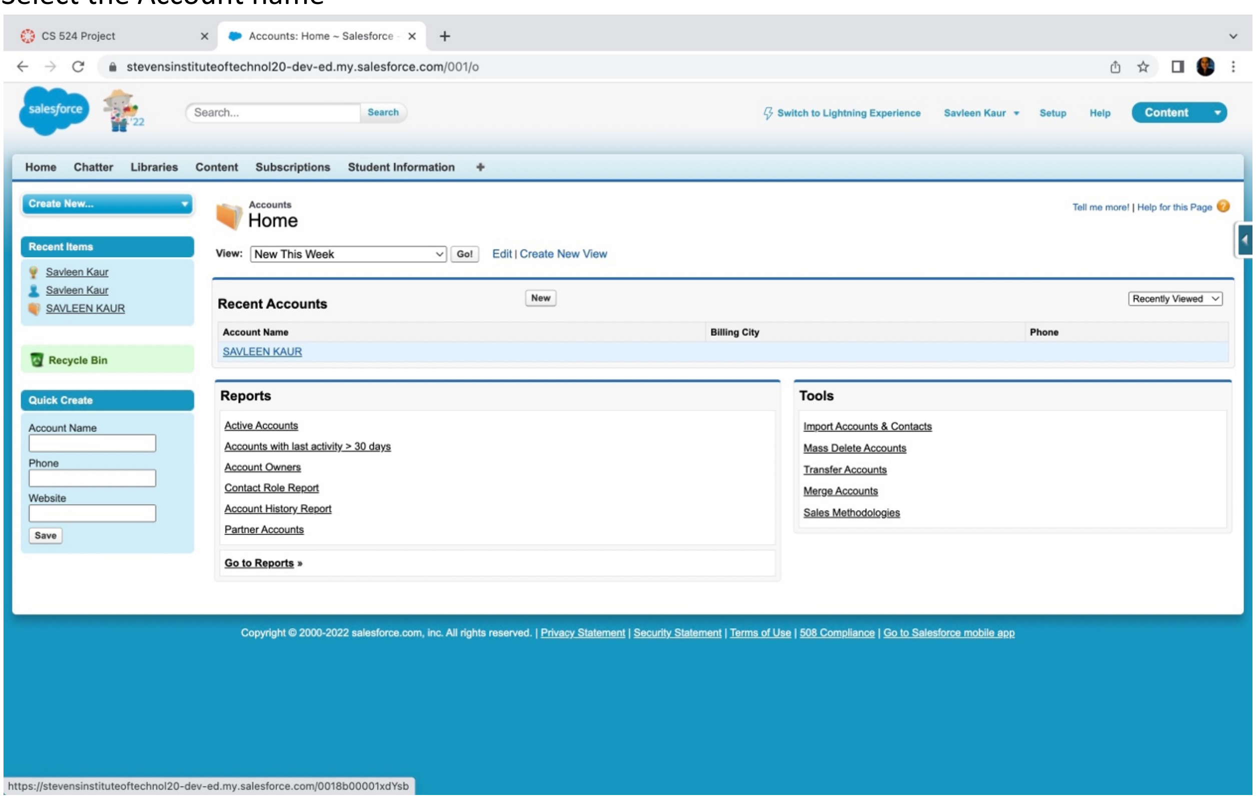
  accID.add (con.AccountId);
  }
  }
  if (accID.size()> 0) {
  List <Account> upAccList = new List <Account> ();
For (Account ac:
        [SELECT Id, Field_Update__c
        FROM Account
         WHERE id in: AccID
        AND Field_Update__c != True]) {
ac.Field_Update__c = true;
     UpAccList.add (ac);
  }
if (upAccList.size ()> 0)
update upAccList;
}
}
Edit
Delete
Download
Show Dependencies

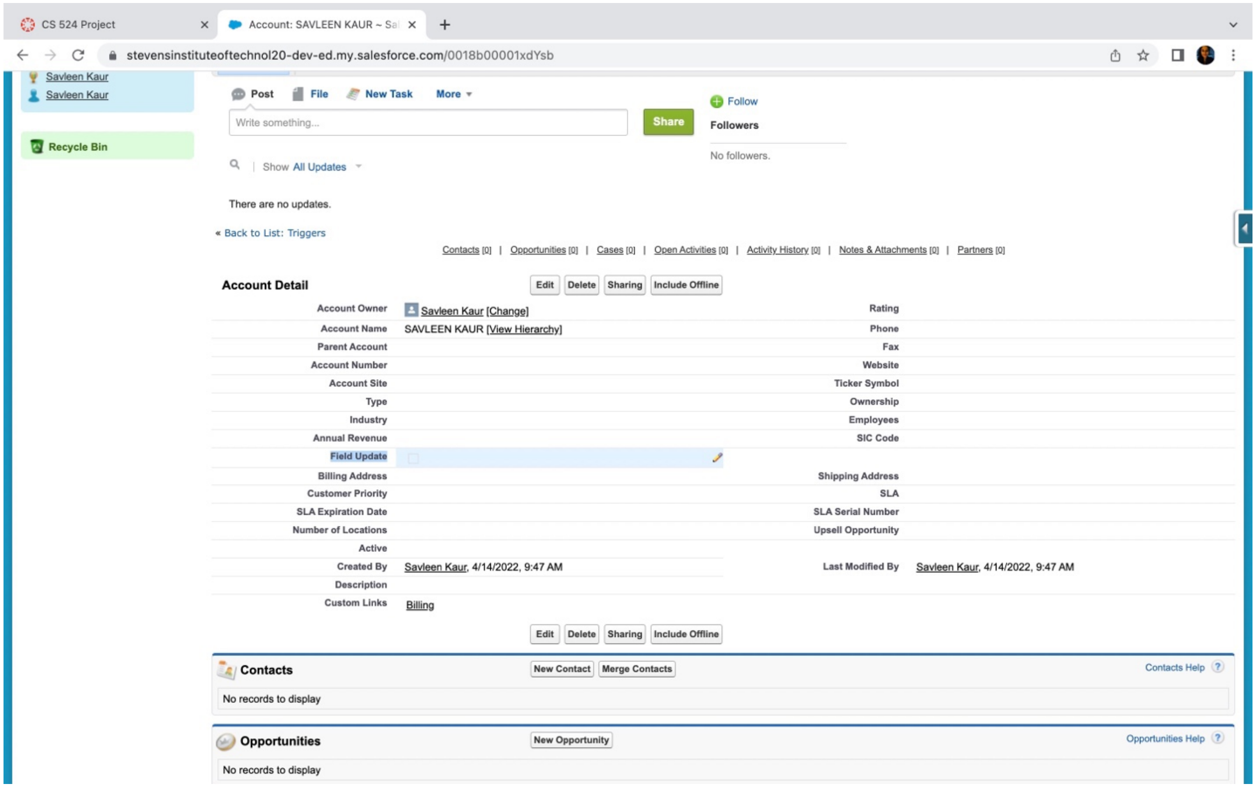
Now goto + icon and select Accounts



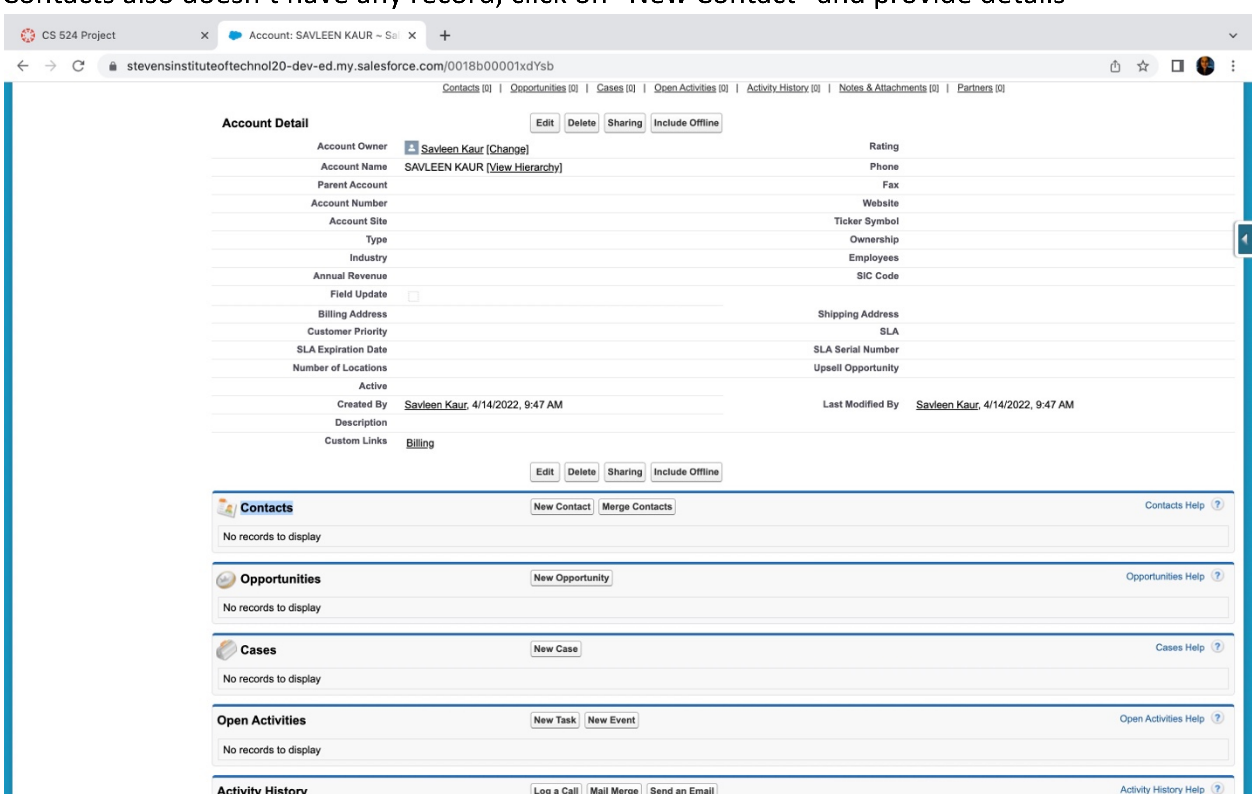
Select the Account name

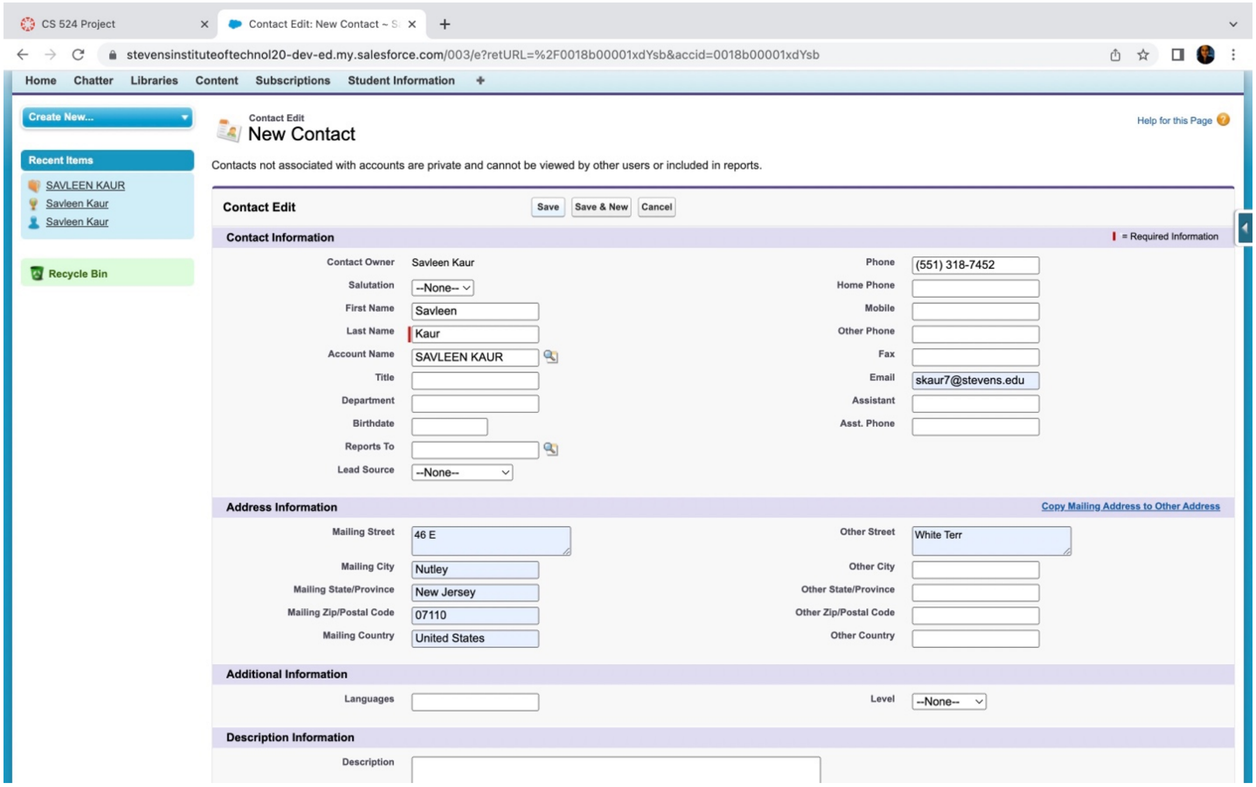


Field Update is unchecked

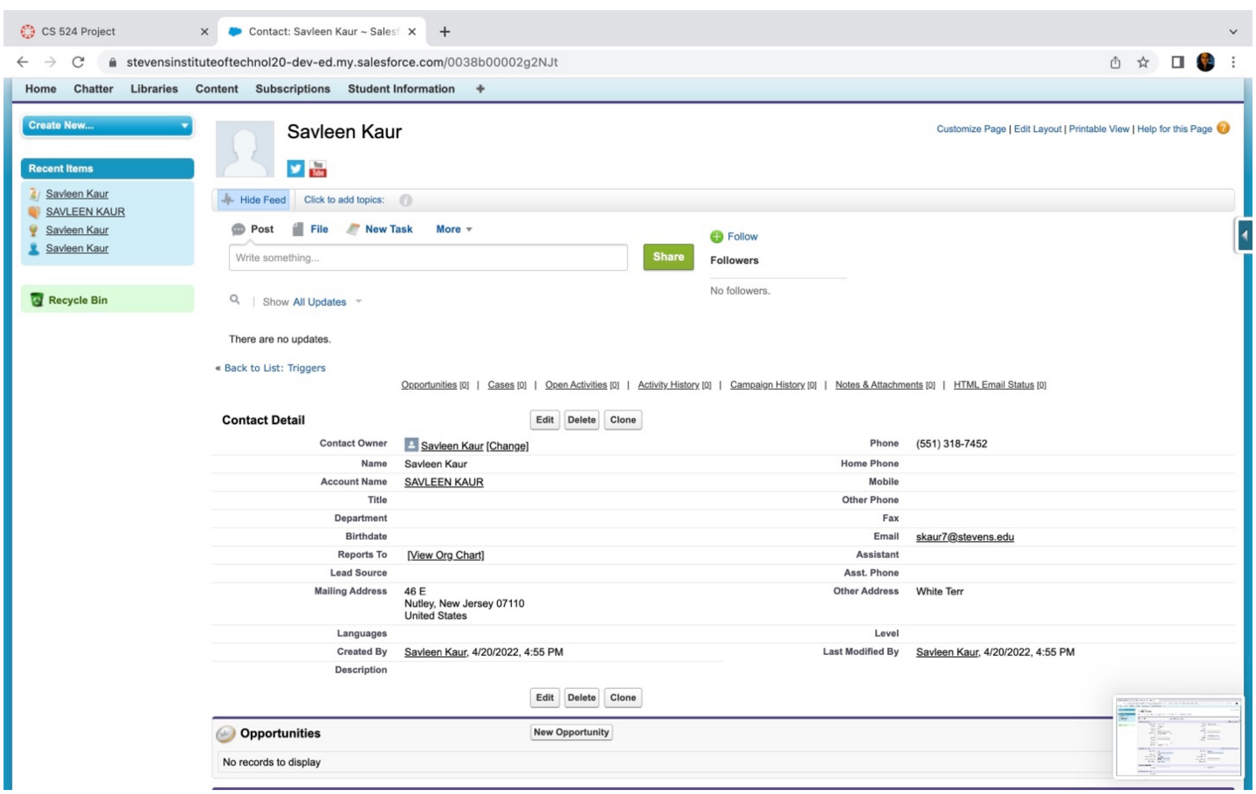


Contacts also doesn't have any record, click on "New Contact" and provide details

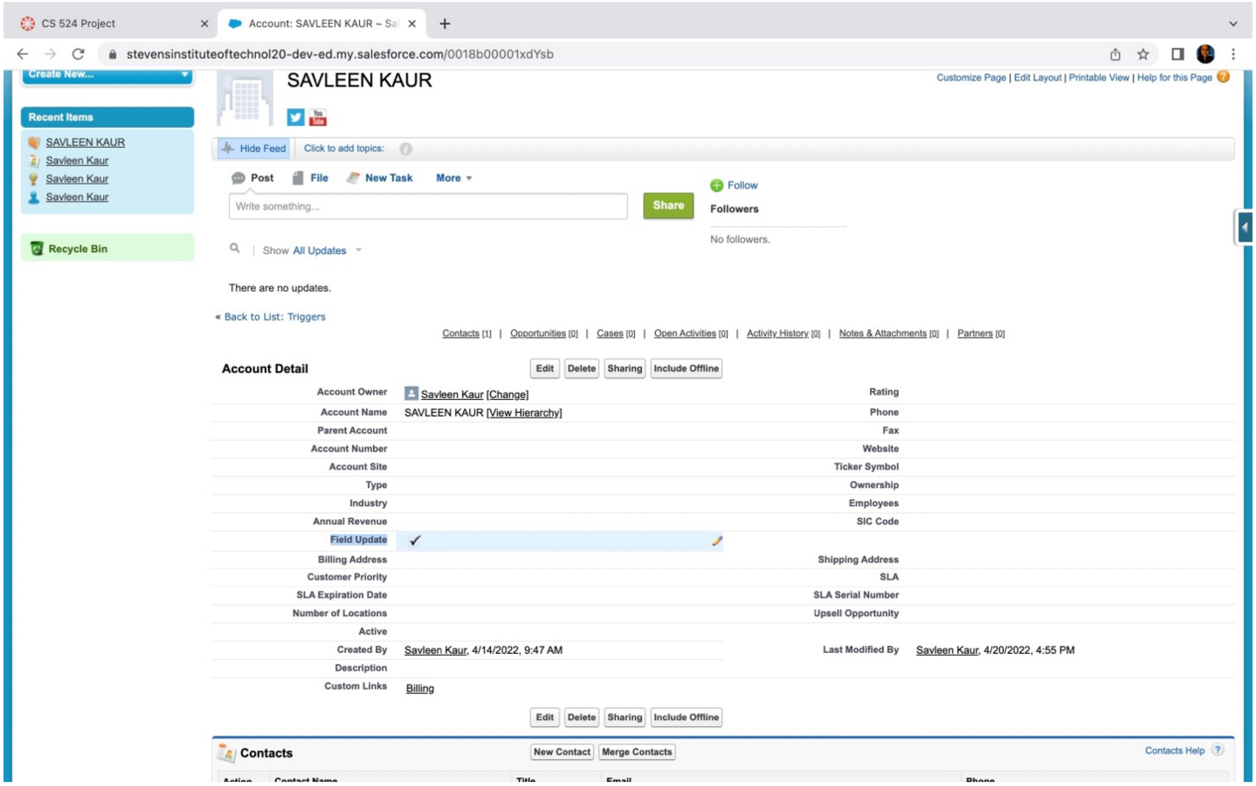




Information has been added as seen below



Field Update is also checked now



Contacts have been updated with the information that we supplied