**INT305 Lab 13 Import Data**

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1. Download Lab13\_Import\_Data.zip and unzip the file
2. Open a terminal and change directory to the folder “Lab13\_Import\_Data” and run “npm install”

cd Lab13\_Import\_Data

npm install

1. Click “Go to console”

Graphical user interface, application, Word

Description automatically generated

1. Select “int305fb”

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1. Select “Project Settings”  
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2. Click “Service accounts” and click “Node.js” and click “Generate new private key”

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Description automatically generated

1. Rename the generated file (for example: int305fb-firebase-adminsdk-p1po9-2fce844c9a.json) to “serviceAccountKey.json” and move it the folder Lab13\_Import\_Data to replace the existing one in the folder.

\*\*\*\*\*\*\*\*Paste your serviceAccountKey.json here \*\*\*\*\*\*\*\*\*\*\*\*\*

var admin = require("firebase-admin");

var serviceAccount = require("path/to/serviceAccountKey.json");

admin.initializeApp({

credential: admin.credential.cert(serviceAccount)

});

{"type": "service\_account","project\_id": "int305fb157","private\_key\_id": "0060fd52c3a245a6a7719d5498fe2d1a06f47c83","private\_key": "-----BEGIN PRIVATE KEY-----\nMIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKcwggSjAgEAAoIBAQDVCtj5XyjYdd3j\nce2zUGstwwEG5czntKgTuahBzXanvN5JRKiq2/GuhhogzsmxBKZdm5ztqA579nCG\nXiFTbFZXPcuhVHNXPqLyHl0Zsm1C7kzd7lUPJ8f3vpNH1O0TKehuHFr6WZW10S/w\nk4yBTjPHORZxK5nPnqnMpaRY7sFKSM8nPPW7CsCsGOFadu5oFrv2iS+a15SEDmgK\nB/mfkuPghnHyLDmkQVHOFsGd0pW/eLFxcJwU5DF/P1LcaDRZxYCbZWzVMiPUEOOF\nra2H9KvIsLqSoq5JilHvarIxSaiESgn6W2r9pRjT/HrwdI74vEvNgjuv+nFeG0QZ\nD6RUU9sPAgMBAAECggEARIPxlfmxtDPsAZsBXFrvrU76xJIhXR9vsrBR2Z/PmlCW\nmK+5IwILbxp3yrdWjFS3gIFsbc5PojR2qfAZ/a9o8TPRingThCqD0yRKwtnsY8sp\n83IT7wTXPekPitmCyVgABXGfHMa07D1zkoaReICDDH5iplDkba5UY5meCm/2wAGl\n81hmLoZaJJh4M8hJNaaYM8IqteEsxxL02gQo986DPTqw66NOS/MMidRPSwBYOYsZ\n14rNokomgYiK2chpBjR3RPXuwikwsl8g5f+aAJTfNvVYPoJePT/FgpfgNV5aNpB0\nSM6JRtLM51TrUzoxWKs+mSRxJsJczr6V7mZYIOBIAQKBgQD6NLkvEHR551CkVPqB\n8BdJR8y424IwEFkfhBkVmq80I06gAnBHjXuvl83sPtijfkGOChwWeGLqzeFfRCSb\nVW1Z3zr5d3RS+QYQ62J3uaFocz6Jqv3pcctsn7pPUN9XqF844UQIgZTXmJC8Odip\nohdAFvDlqs32dK/u68thQ2JMAQKBgQDZ+c9qIJpGyA3cgbiO8I+S0QHu1XDJIG04\n6n1A4yqbJ6dd13CFKTrJlzYBezU6V57lec72h/HMcqHztlisW6S2q+ArY2C4C/r7\nKA4dt+SqIH6/Wq67TPpp7aqkw/A63R+tgdouJ9F850zcrPJX/FUcLah+qHg9V7xv\nY1APuP1nDwKBgEeZQsznBo3D1d3Qu4bnb6J2u2zC0/RxGS/dm1gFVdGzsNI1IHA5\nWoWbCUBrk47lmFjPJ85+UMAkfjPGyjrxLUOkj7nHpy//Nu8sjJb6Negv4lt+5P4i\npDXHV4dO+zqYYfdi7xcIDdHMRM64NvoD+mdKqVDvmdTG+3mBXEfPApgBAoGBAJ7w\ne6Ar87KG7yyJXjTEDjyEsH8hHWNahKnKudgVjJyj1nMjw4UlYhtaaeO8njxTZaZ4\nIkQ7LkHgmFyn6pKLJFiajRO2G/E3syNtupVK4K54kVMgYWZro/CXfyUzRjj1wcJ3\ne8rJ+AO2eKI0bWVgtgKc/E6Ws04valRiOx+ryQJbAoGAbSXkuSlqLSKC0/vBb6X4\nShtMflsS0EzLAUldqkShPo1wBQUJzr6tQgKDJ9KyBn388He24ourtm3pGrUq+iZL\nN0yBsW7iTf4B40r4oMgz6QmQyzn2jg47kimxqbHV03cd3Dm1ZiwAP4JwpYrwxeJ5\n46qLjPHDC+n2LI8gCu8AAoc=\n-----END PRIVATE KEY-----\n","client\_email": "firebase-adminsdk-z1jh8@int305fb157.iam.gserviceaccount.com","client\_id": "102257305714656219834","auth\_uri": "https://accounts.google.com/o/oauth2/auth","token\_uri": "https://oauth2.googleapis.com/token","auth\_provider\_x509\_cert\_url": "https://www.googleapis.com/oauth2/v1/certs","client\_x509\_cert\_url": "https://www.googleapis.com/robot/v1/metadata/x509/firebase-adminsdk-z1jh8%40int305fb157.iam.gserviceaccount.com"}

1. Click Copy the code and open the import-zips.js and paste it at the top of the file and add line 2:

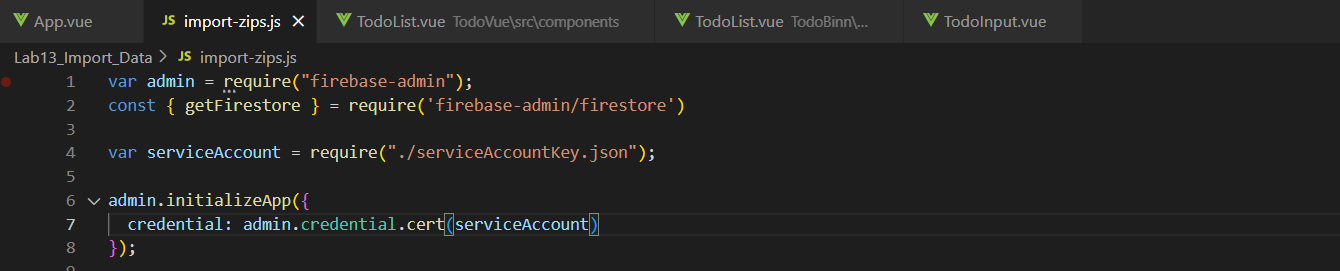
const { getFirestore } = require('firebase-admin/firestore')

Graphical user interface, text, application

Description automatically generated

1. Take the screenshot of the top code in the import-zips.js (containing your SDK configure) that looks like the above image.

\*\*\*\*\*\*\*\*Your result \*\*\*\*\*\*\*\*\*\*\*\*\*



1. Open Terminal or Command Line (Windows) and change directory to the Lab13\_Import\_Data and run the following command:

node import-zips.js

Graphical user interface, text

Description automatically generated

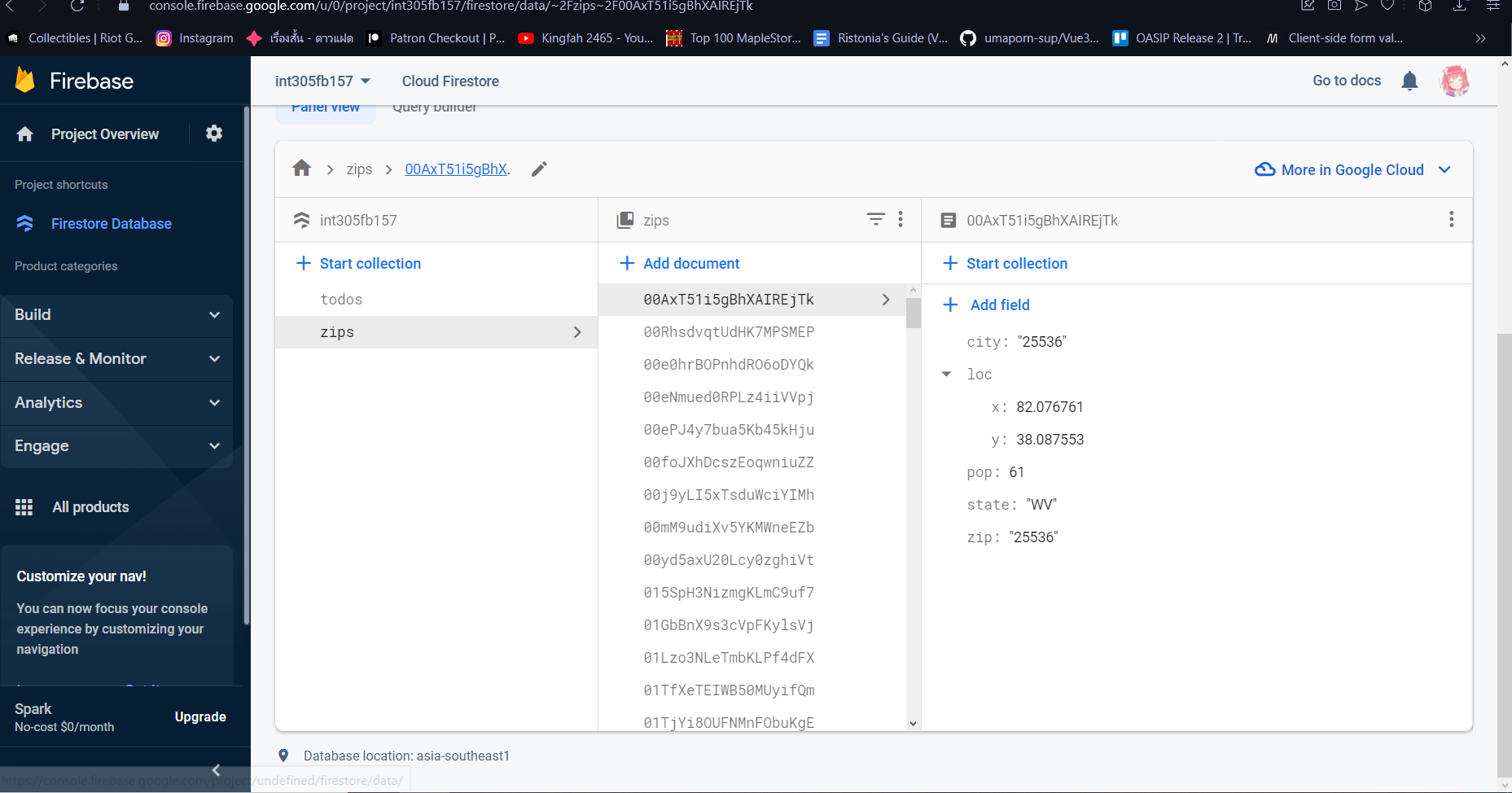
1. Reload the console in Firebase and you will see the zips collection

Graphical user interface, application, Teams

Description automatically generated

1. Take a screenshot of your Firestore Database to show the zips collection and paste it below

\*\*\*\*\*\*\*\*Your result \*\*\*\*\*\*\*\*\*\*\*\*\*



1. Click “Query Builder” and Select Path to “/zips”
   1. click “Add to query” and Select “Count documents”
   2. click “Add to query” and Select “Where” and choose the field “state” and type value to “TX”
   3. Click “Run”

Graphical user interface, application

Description automatically generated

1. Take screenshot to show the total zips in Texas state (TX) and paste it below:

\*\*\*\*\*\*\*\*Your result \*\*\*\*\*\*\*\*\*\*\*\*\*

