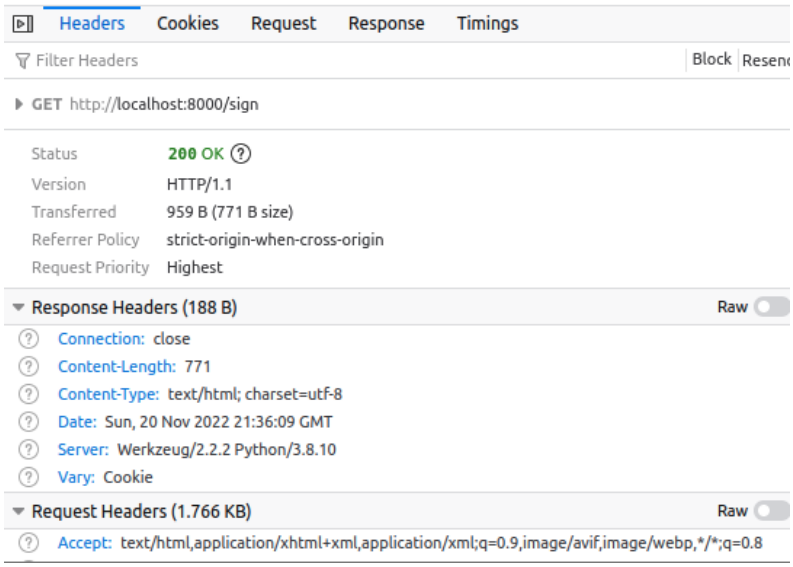
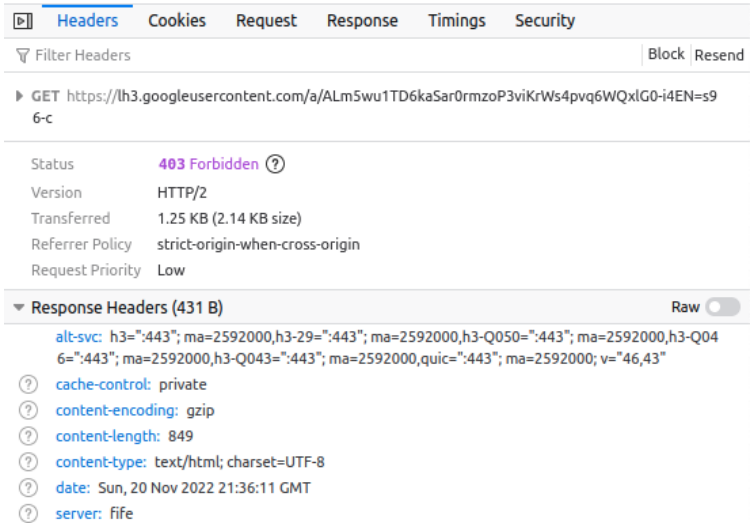
Max Hueckstead
CS 530
Lab Week 8

1.



2.



3. Based on the description of the source code, what lines of code in our application are responsible for the second request?

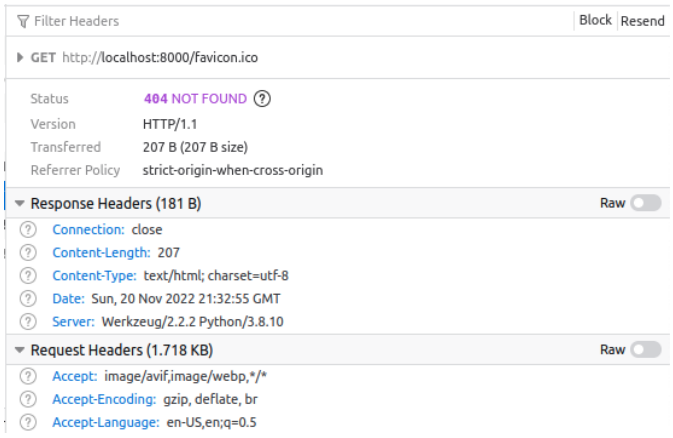
The second request seems to be for the user profile picture, which doesn't exist. This is requested upon authentication, which is why it is the second request, and returns a 403 code, since there is no photo at the location requested.

4.

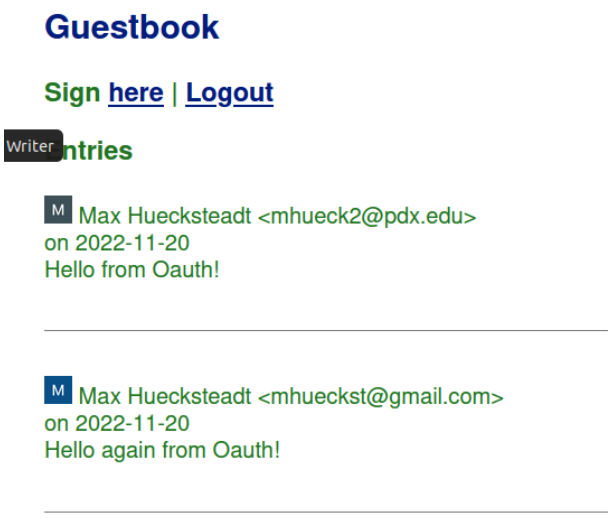
5. Take a screenshot of the Headers that includes the entire Callback URL and its returned HTTP status code. What location is the User sent to as a result of this request?

The user is sent the the authenticated guestbook page, which is linked from the google authentication process.

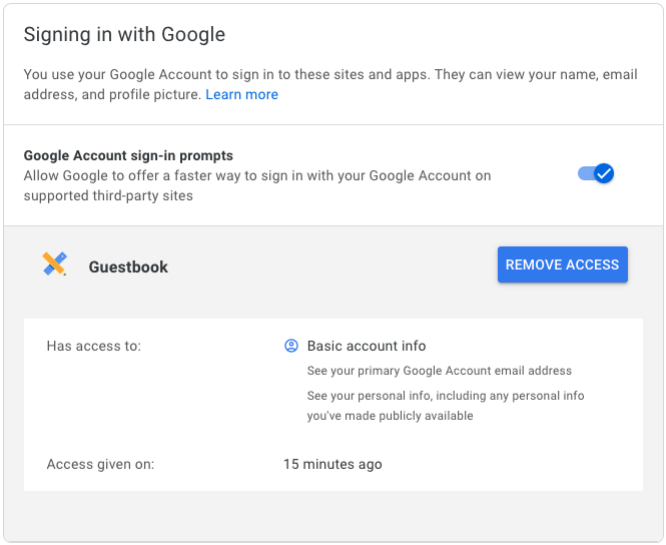
6.



7.


Guestbook
Sign here | Logout
Writer
ntries
M Max Hueckstead <mhueck2@pdx.edu>
on 2022-11-20
Hello from Oauth!
M Max Hueckstead <mhueckst@gmail.com>
on 2022-11-20
Hello again from Oauth!

8.


Signing in with Google
You use your Google Account to sign in to these sites and apps. They can view your name, email address, and profile picture. Learn more
Google Account sign-in prompts
Allow Google to offer a faster way to sign in with your Google Account on supported third-party sites
Guestbook
REMOVE ACCESS
Has access to:
Basic account info
See your primary Google Account email address
See your personal info, including any personal info you've made publicly available
Access given on:
15 minutes ago

9.


(env) mhueck2@cloudshell:~/python-docs-samples/vision/snippets/detect (cloud-hueckstead-mhueck2)$ pyt
hon detect.py labels-uri gs://ml-api-codelab/birds.jpg
Labels:
Bird
Ratite
Cloud
Sky
Beak
Plant
Green
Neck
Ostrich
Casuariiformes

10. What is the name of the function?

    async_detect_document

    What type of Vision client is instantiated in it?

    The 'ImageAnnotatorClient'

    What method is invoked in the Vision client to perform the detection?

    client.async_batch_annotate)files

    What is the name of the attribute in the response object that contains the results we seek?

    Output

11.

```
mhueck2@cloudshell:~/python-docs-samples/vision/snippets/detect (cloud-huecksteadt-mhueck2)$ python de
tect.py logos ~/python-docs-samples/vision/snippets/detect/images.jpg
Logos:
University of Oregon
RadioShack
mhueck2@cloudshell:~/python-docs-samples/vision/snippets/detect (cloud-huecksteadt-mhueck2)$
```

12. The image annotator client is invoked again to detect the logo.
13.

```
(env) mhueck2@cloudshell:~/python-speech/samples/snippets (cloud-huecksteadt-mhueck2)$ python transcri
be.py resources/audio.raw
Transcript: how old is the Brooklyn Bridge
```

14. What is the name of the function?

    transcribe_file()

    What method is invoked in the Speech client to perform the detection?

    RecognitionAudio

    What is the name of the attribute in the response object that contains the results we seek?

    'Audio'

15. 

16. What is the name of the function?

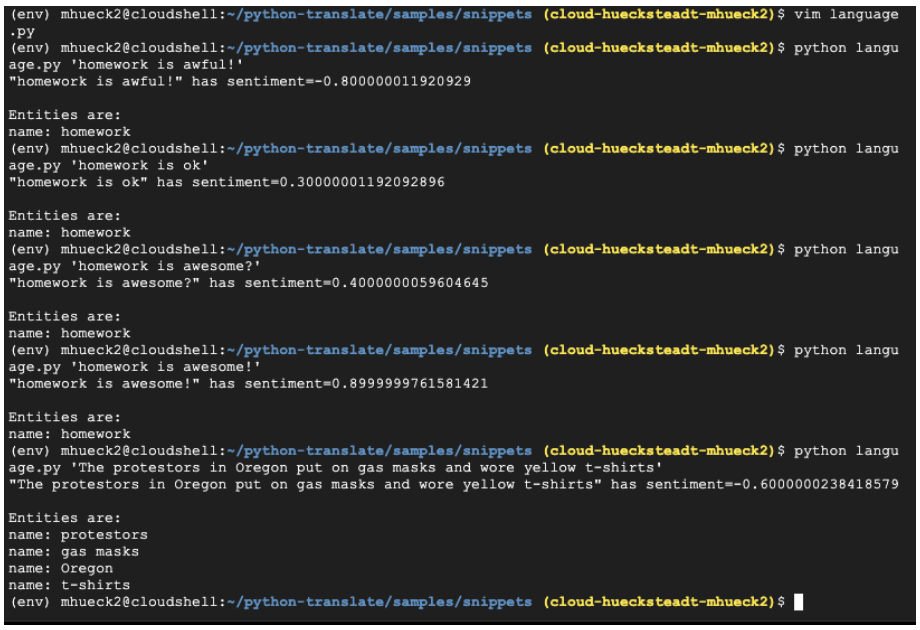
    Translate_text

    What method is invoked in the Translate client to perform the detection?

    Translate

    What is the name of the attribute in the response object that contains the results we seek?

    Result

17. 

18. What is the name of the function that performs the transcription?

    transcribe_gcs

    What is the name of the function that performs the translation?

translate_text

What is the name of the function that performs the entity analysis on the translation?

entities_text

What is the name of the function that performs the entity analysis on the image?

Detect_labels_uri

19. The image analysis must be changed, as all other APIs understand the ‘soccer’ sentiment/entity
20. Again, the image analysis must consider that a Bicycle is also a Bike
21. The image analysis must understand that there are multiple ostriches.
22.

What are the top 3 labels that the Video Intelligence API associates with the video and what is its confidence in them?

Sports: .92, basketball: .91, player: .84

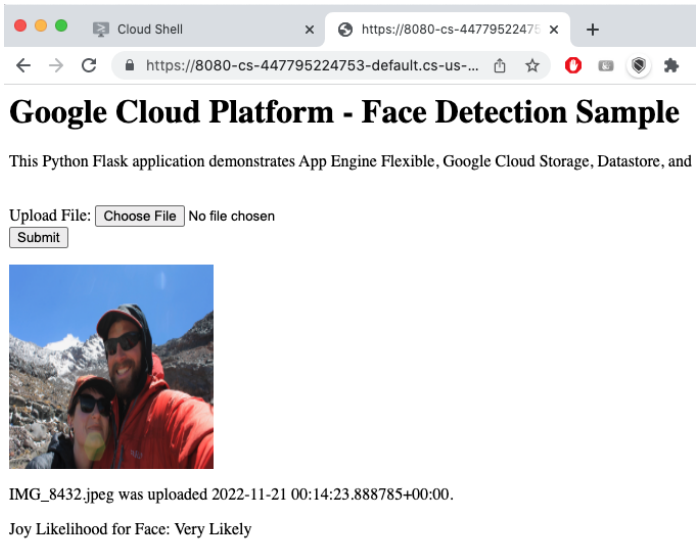
23. What is the name of the client class in the package that is used?

VideoIntelligenceServiceClient()

What method is used in that class to perform the annotation?

annotate_video

24.



25. What line of code creates the query for previous detections?

    query = datastrore_client.query(kind="Faces")

    What line of code sends the query to Cloud Datastore?

    Image_entities = list(queries.fetch())

26. Show the line that retrieves the name of the storage bucket to use.

    Bucket = storage_client.get_bucket(CLOUD_STORAGE_BUCKET)

    What form field is used to specify the uploaded photo?

    "file" (as in photo = request.files["file"])

    Show the line that copies the photo's contents to the storage bucket.

    blob.upload_from_string(photo.read(), content_type=photo.content_type)

    What method in Vision's annotation client is used to perform the analysis?

    face_detection.face_annotations

    What fields are stored in Cloud Datastore for each image?

The storage bucket ‘blob’ name, the url, the timestamp, and the joy likelihood

What happens at the end of the `upload_photo` route?

The entity is stored to cloud Datastore and the user is redirected to the home page of the app.

27. What other domains are given access to this Firebase project by default?
    a. Localhost, fir-mhueck2.firebaseapp.com, fir-mhueck2.web.app
28. 

29.
30. What missing functions deal with user authentication?

    signIn(), signOutUser(), initFirebaseAuth()

31. What missing functions deal with sending and receiving messages?

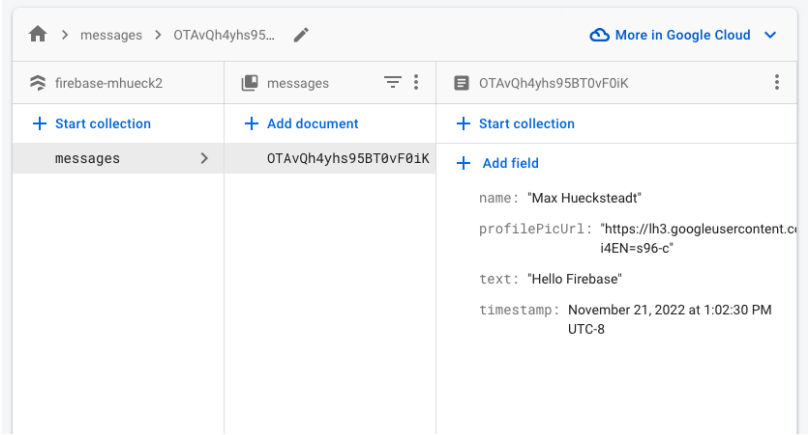
    saveMessage(), loadMessages(), saveImageMessage()

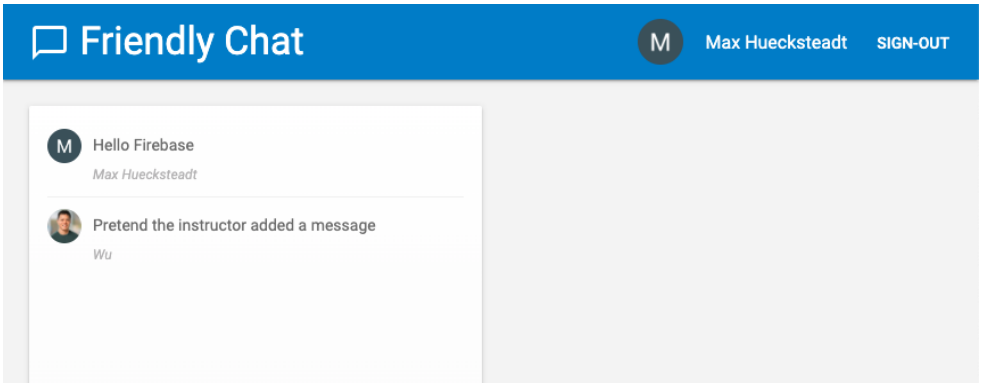
32. What are the names of the elements that are hidden when the user is signed out?

    userNameElement, userPicElement, signOutButtonElement

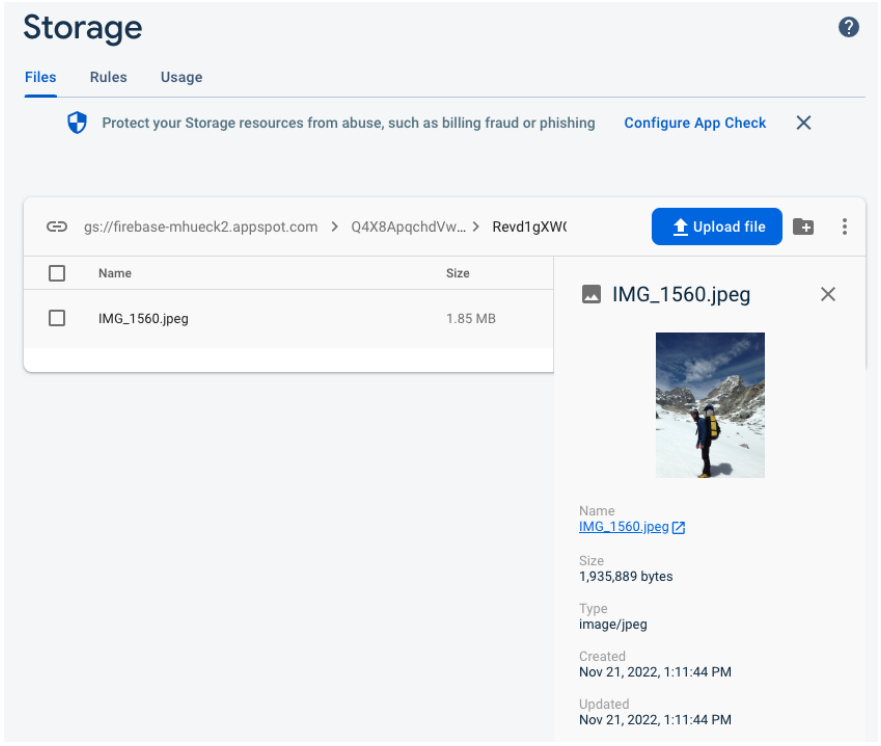
33. What is the name of the element that is not hidden when the user is signed out?

    signInButtonElement

34. 

35. 

36. What is the URL of the image that is first shown in the UI as the message is loading?
    a. `var LOADING_IMAGE_URL = 'https://www.google.com/images/spin-32.gif?a';`
37. How do the fields in an image document differ from that of the text document?
    a. The image fields are: imageUrl, name, profilePicUrl, storageUri, and timestamp. So, just imageUrl and storageUrl are different.
38. What URL and storage location can the image be found at?
    a. URL: https://firebasestorage.googleapis.com/v0/b/firebase-mhueck2.appspot.com/o/Q4X8ApqchdVwC1hSKG4P6FdaImv2%2FRevd1gXWOMjxGhKEzu6U%2FIMG_1560.jpeg?alt=media&token=6bdbd765-9729-49a2-b518-15e3ba1bbbd0
    b. Storage: Q4X8ApqchdVwC1hSKG4P6FdaImv2/Revd1gXWOMjxGhKEzu6U/IMG_1560.jpeg

39. 

40. What directory is the application going to be served from?
    a. ./public
41. What does the Cache-Control setting configured for the HTML and Javascript files do?
    a. The cache-control is set to max-age=0, so the response will remain constantly fresh (it can be stored and reused by caches indefinitely).
42.