**APIs**

1. **Read all cases** *(First screen)*

GET /api (homepage)

No request body

**Response -**

Code - 200  
Body -

[

{

“caseId”: “caseId1”,

“caseName”: “caseName1”,

“keywordsLoaded”: “yes”,

“keywords”: [“yellow car”, “blue umbrella”]

},

{

“caseId”: “caseId2”,

“caseName”: “caseName2”,

“keywordsLoaded”: “no”,

“keywords”: [“beige cap”, “black jacket”]

}

]

1. **Create a new case**

**Request -**

POST /api/cases/

Body - {

“caseName”: “caseName5”  
}

**Response -**

Case gets added to ‘Cases’ table with ‘keywords loaded’ = ‘no’ and ‘Keywords’ = []

Response code - 200  
No response body

1. **Update an existing case (Not the most important one - can be taken up later)**

For renaming a case, and for manually changing the keywords for the case

**Request -**

PUT /api/cases/caseId

Body - {

“caseName”: “caseName5”,

“Keywords”: [“little bird”, “furry dog”]  
}

**Response -**

Updates the case with given details

Response code - 200  
No response body

1. **Delete a given case -**

**Request -**

DELETE /api/cases/caseId

1. **Read a given case** *(i.e. after clicking on a case on the first screen)*

**Request -**

GET /api/cases/caseId

**Response -** Body - {

“caseId”: “caseId4”,

“caseName”: “caseName4”,

“keywordsLoaded”: “yes”,

“keywords”: [“yellow car”, “blue umbrella”]

“recordings”: [

{

“recordingId”: “recordingId1”,

“recordingName”: “recordingName1”,

“recordingLink”: “recordingURL1”,

“transcriptLink”: “transcriptURL1”

},

{

“recordingId”: “recordingId9”,

“recordingName”: “recordingName9”,

“recordingLink”: “recordingURL9”,

“transcriptLink”: “transcriptURL9”

}

]

}

1. **Create a new recording for a case -**

**Request -**

POST /api/cases/caseId/recordings

Body - {

“recordingName”: “recordingName10”,

“recordingLink”: “recordingURL”

}

Once this request is received, we set the ‘Keywords Loaded’ column to ‘no’, to give us time to re-evaluate keywords for the case considering the current recording also.

‘transcriptLink’ and ‘descriptive phrases’ columns would be empty. As soon as this request is received, we sets the ‘Keywords Loaded’ column to ‘no’ and start an async operation that does -

1. Converting the audio to transcript (and storing in the **transcriptLink** of the **Recordings** table)
2. Finding ‘Descriptive phrases’ from the transcript (and storing in the ‘Descriptive phrases’ column of the Recordings table)
3. Finding intersection between ‘Descriptive phrases’ of all transcripts (and storing in the ‘keywords’ column of the ‘Cases’ table)
4. Then set ‘Keywords Loaded’ column to ‘yes’ in the ‘Cases’ table.

**7. Delete a recording from the case -**

**Request -**

DELETE /api/cases/caseId/recordings/recordingId

We would need to re-evaluate keywords for the case, hence we -

a) Set the 'Keywords Loaded’ column to ‘no’ in the ‘Cases’ table.

b) Start an async operation to find the intersection between ‘Descriptive phrases’ of all transcripts (excluding the deleted one) and storing in the ‘keywords’ column of the ‘Cases’ table. Then set ‘Keywords Loaded’ column to ‘yes’ in the ‘Cases’ table.