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**SI Final Project – Face Detection**

**Face Detection API:** This API detects the face in an image, as we need to provide the URL of the image in the API request. And it also has the ability of find if two face are similar. It has the ability to provide the emotions of face in an image.

API Endpoints:

**/detectface :** detects face coordinates if any face present in image

**Method: POST**

**Headers:**

Content-type: application/json

Ocp-Apim-Subscription-Key

**Body Param: should be a JSON:**

{

“imageUrl”: “<provide image URL>”

}

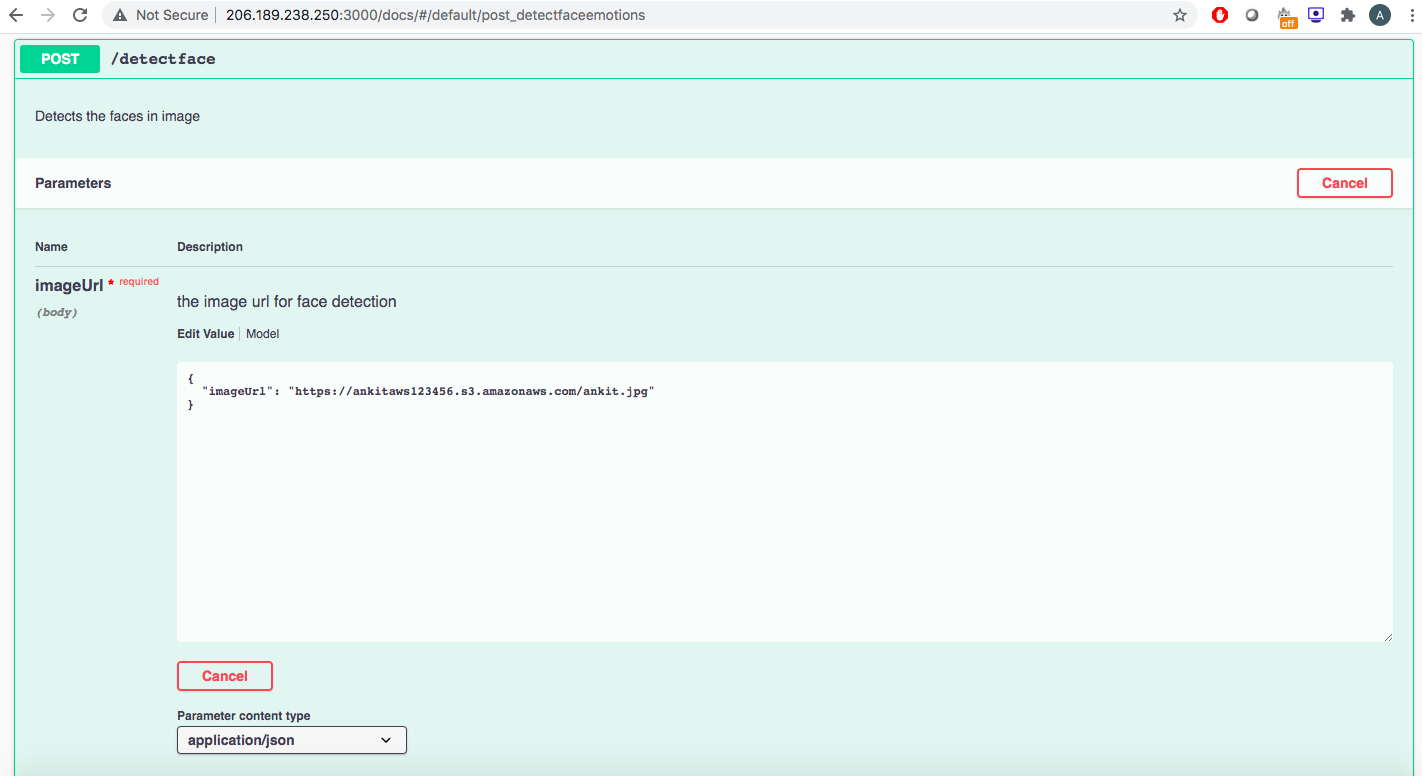
**Error Codes**:

**200**: Successful

**400**: Bad request or invalid request

**500**: Internal Server Error

Screenshot:



**/detectfacelandmarks :** detects face coordinates and landmarks like nose, eye, mouth coordinates if any face present in image

**Method: POST**

**Headers:**

Content-type: application/json

Ocp-Apim-Subscription-Key

**Body Param: should be a JSON:**

{

“imageUrl”: “<provide image URL>”

}

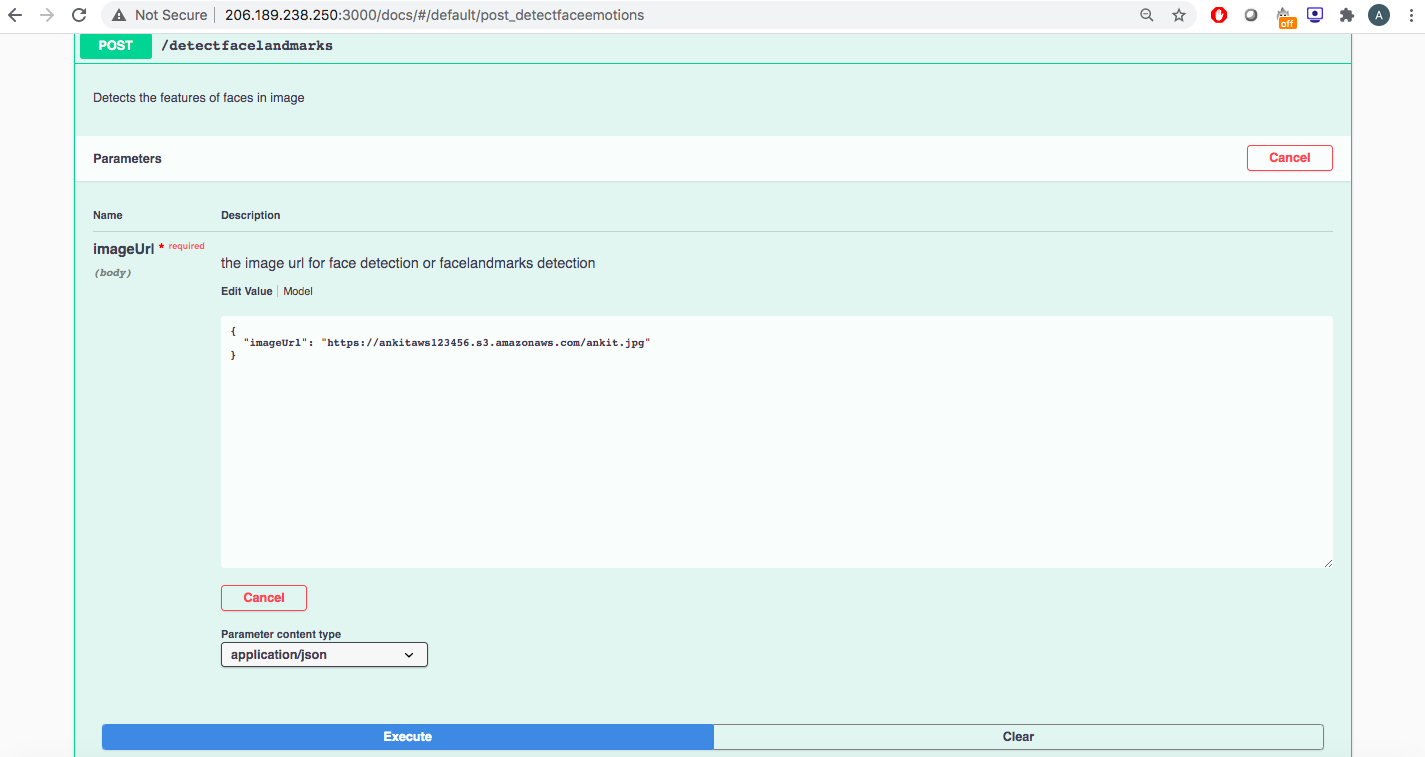
**Error Codes**:

**200**: Successful

**400**: Bad request or invalid request

**500**: Internal Server Error

Screenshot:



**/detectfaceemotions :** detects face coordinates and emotions of face if any face present in image

**Method: POST**

**Headers:**

Content-type: application/json

Ocp-Apim-Subscription-Key

**Body Param: should be a JSON:**

{

“imageUrl”: “<provide image URL>”

}

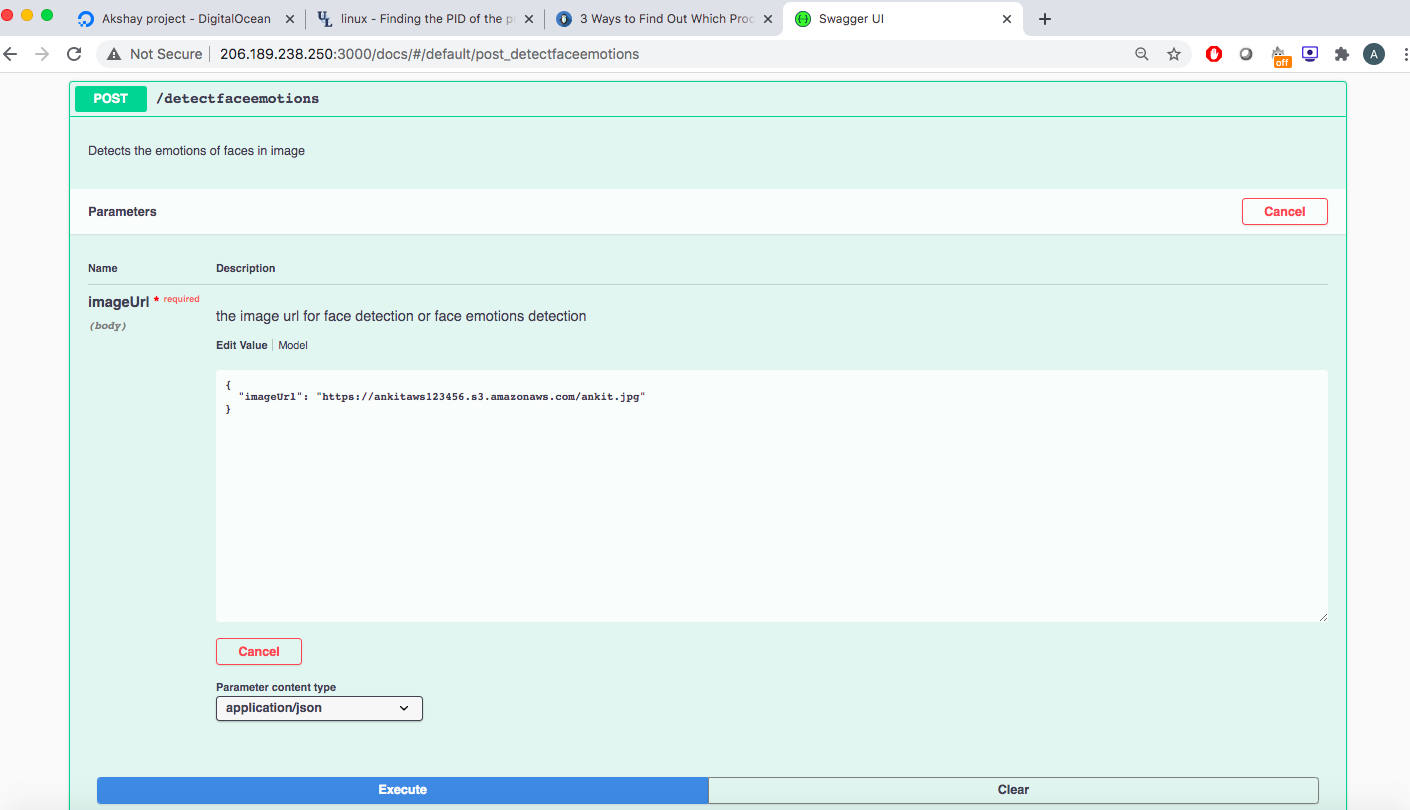
**Error Codes**:

**200**: Successful

**400**: Bad request or invalid request

**500**: Internal Server Error

Screenshot:



**/findsimilar:** detects face coordinates and landmarks like nose, eye, mouth coordinates if any face present in image

**Method: POST**

**Headers:**

Content-type: application/json

Ocp-Apim-Subscription-Key

**Body Param: should be a JSON:**

{

“imageUrl1”: “<provide image URL>”

“imageUrl2”: “<provide image URL>”

}

**Error Codes**:

**200**: Successful

**400**: Bad request or invalid request

**500**: Internal Server Error

Screenshot:

