Team member: Toh Zeng Hau (1843088)
Kwan Chi Hong (1843062)
Lecturer: Mr Ji Peng Xiang
Title: CSC Assignment 1

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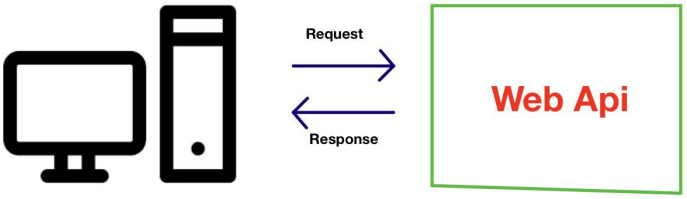
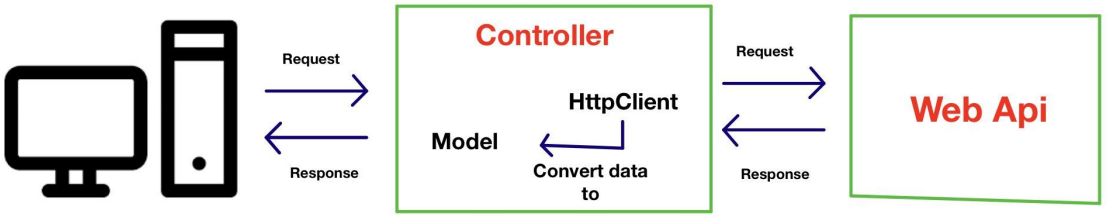
Task 1 :



1. Invoking web service with Jquery Ajax



2. Invoking web service with C#

Figure 1.1 - Difference between consuming web api with Jquery Ajax and C#

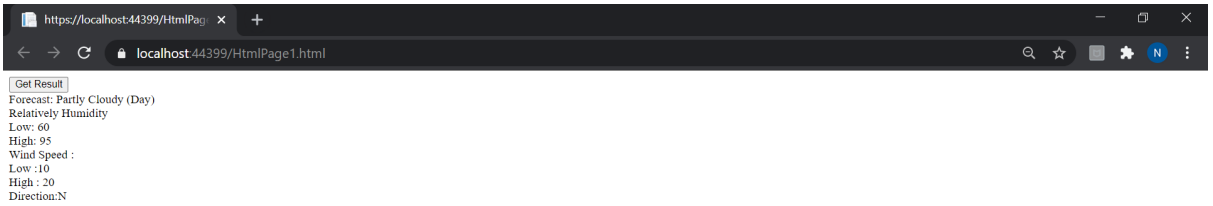


Figure 1.2 - Consuming web api with Ajax

Figure 1.3 - Consuming web api with C#

Task 2 :

API Documentation:

Figure 2.1 - Get all product API

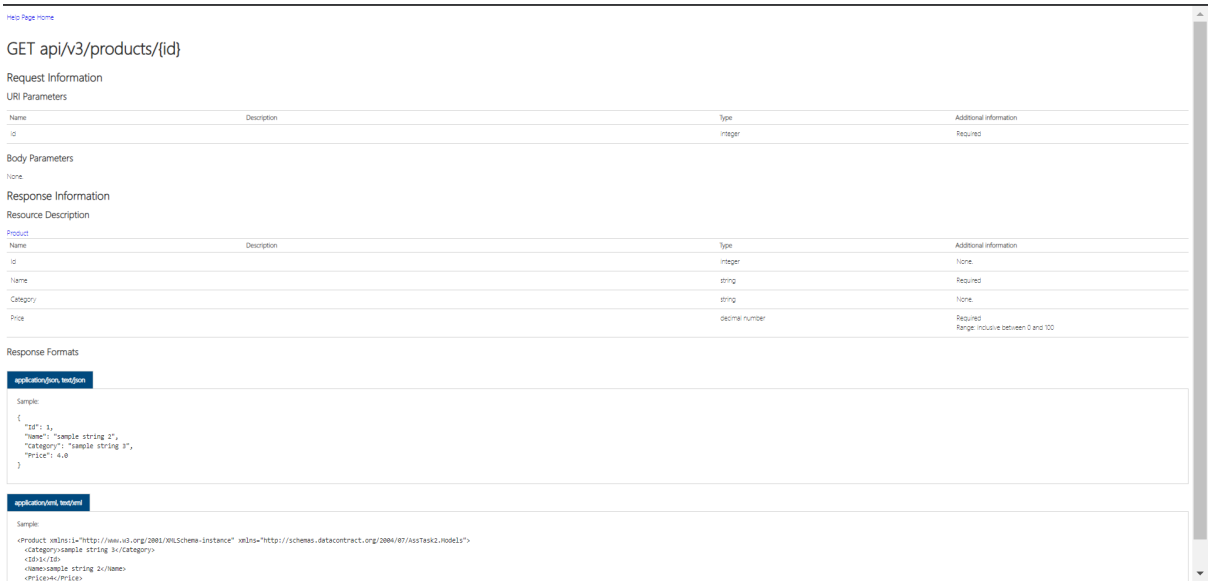


Figure 2.2 - Get product with ID API

Figure 2.3 - Get product with category API

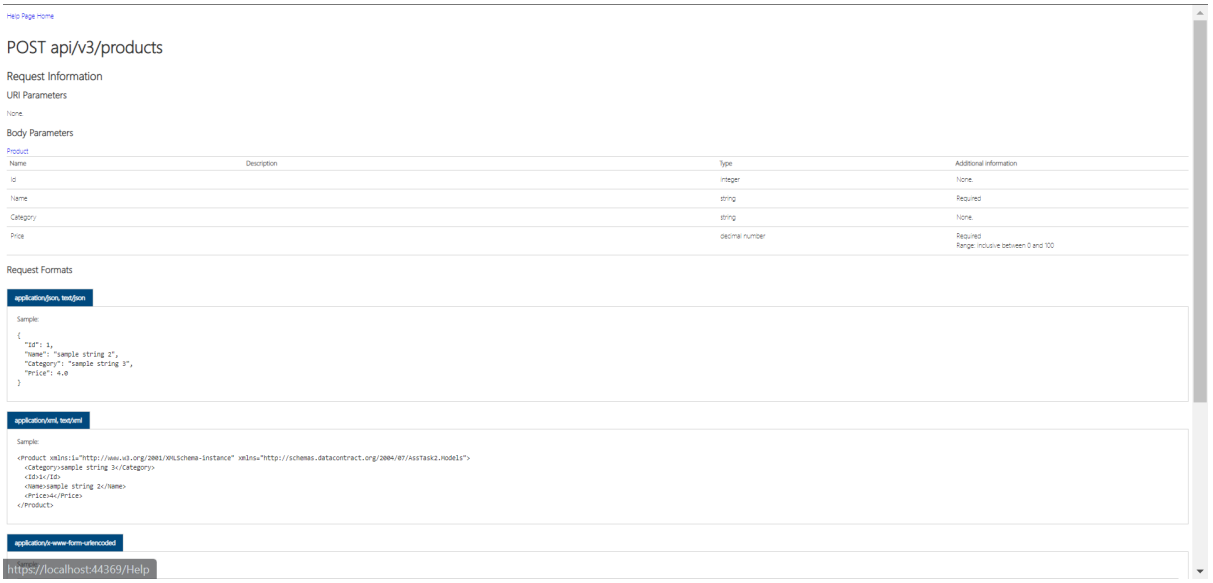


Figure 2.4 - Add new product API

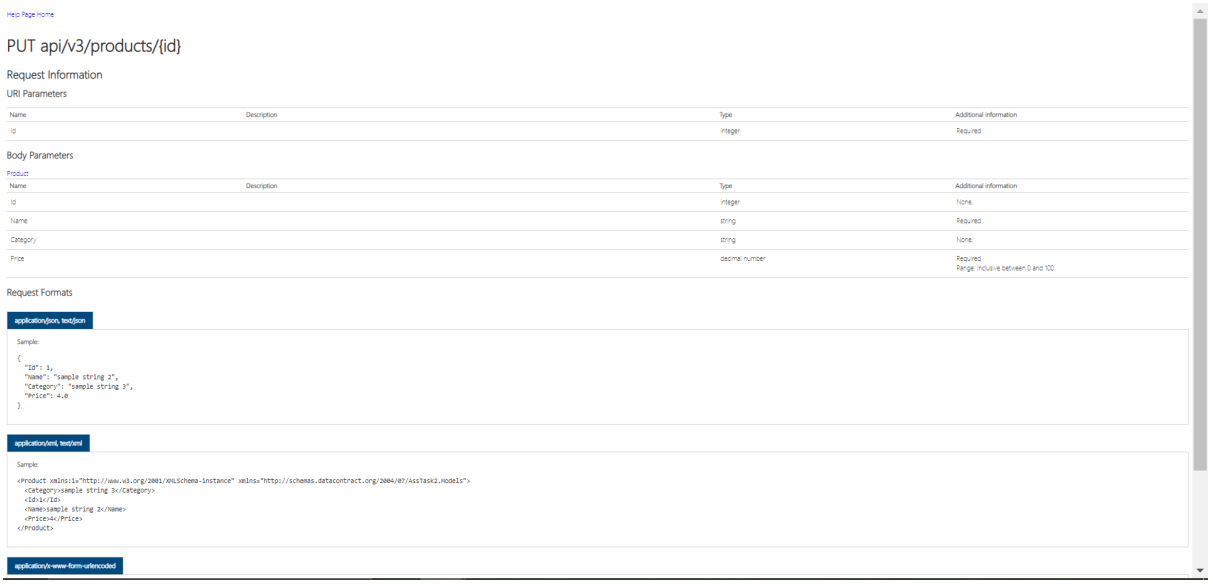


Figure 2.5 - Update a product API

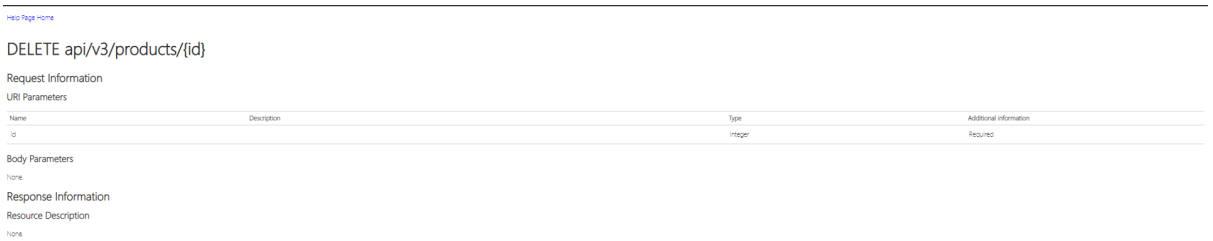


Figure 2.6 - Delete product API

Postman Results and Screenshots:

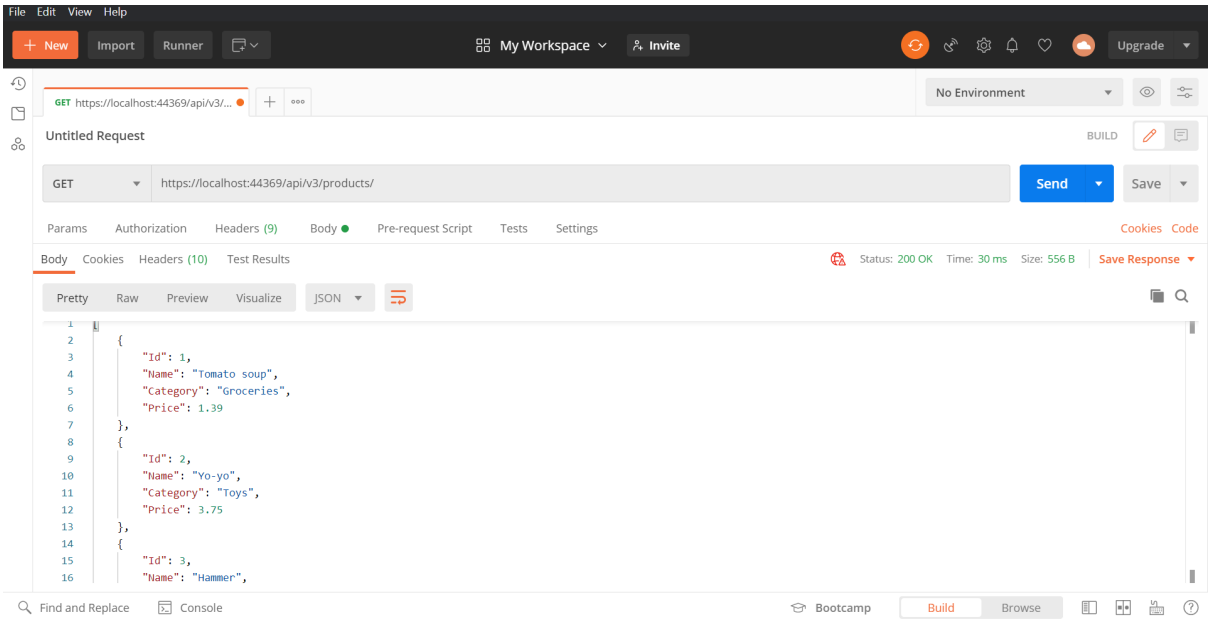


Figure 2.7 - Get all the product from application

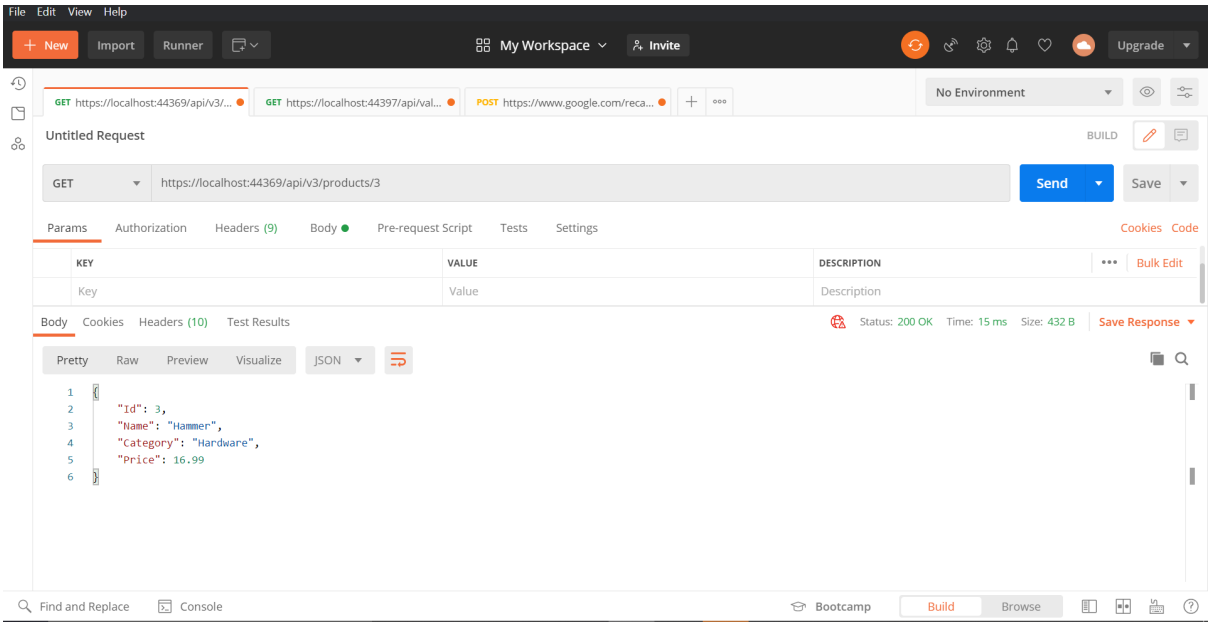


Figure 2.8 - Get Products by ID

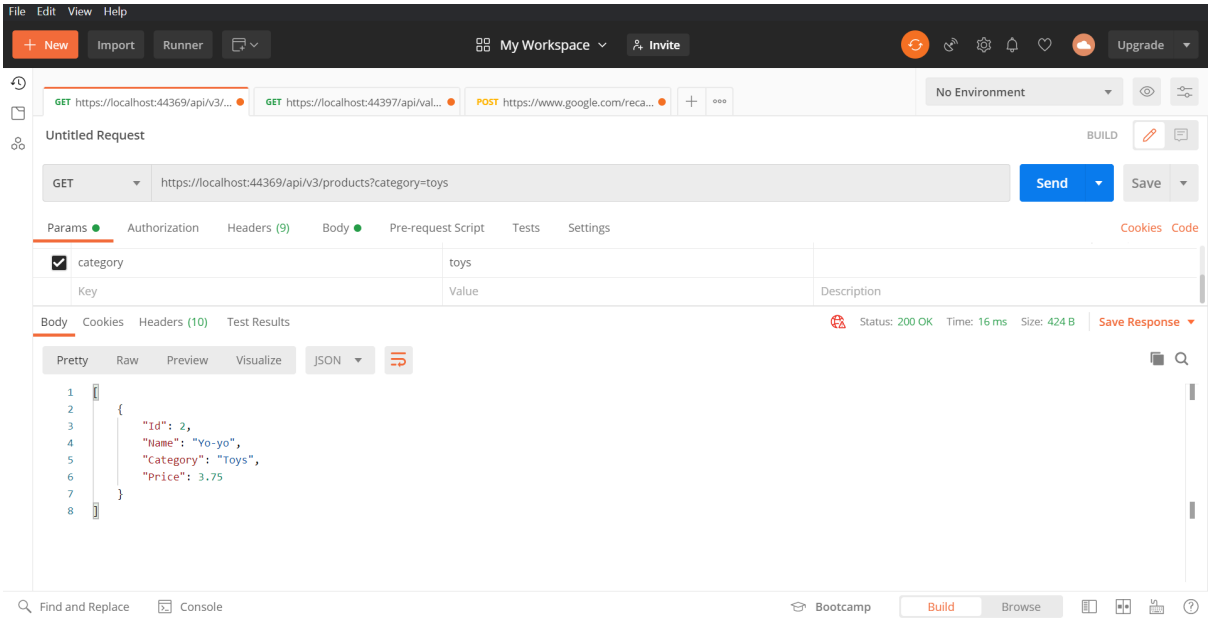


Figure 2.9 - Get Products by Category

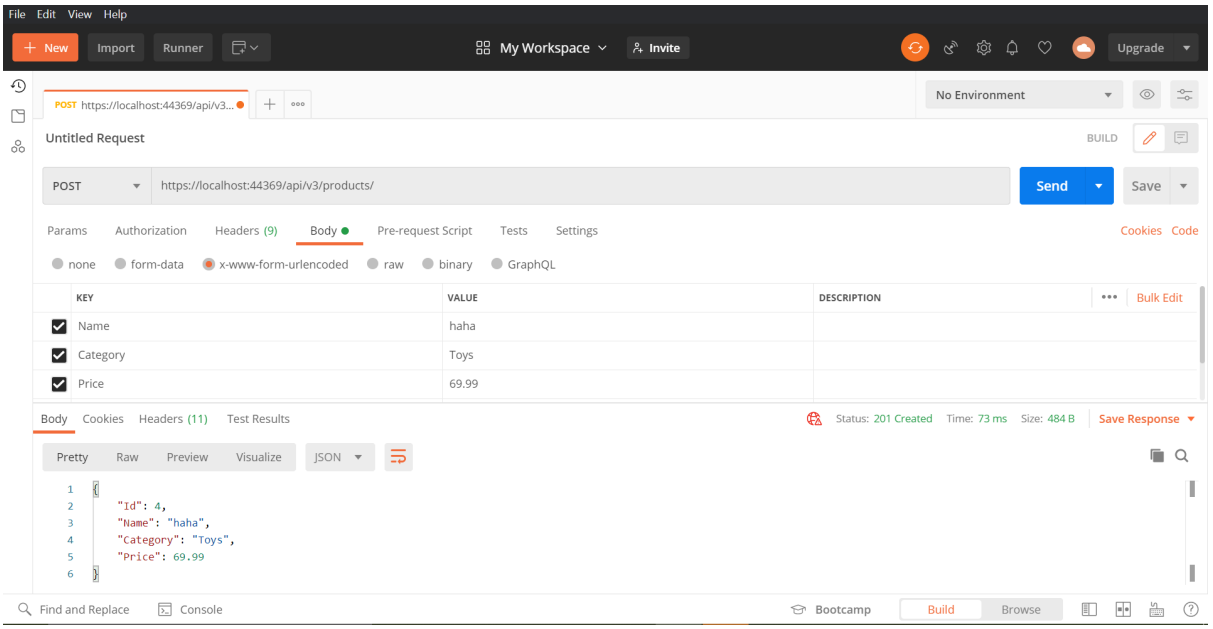


Figure 2.10 - Create a product

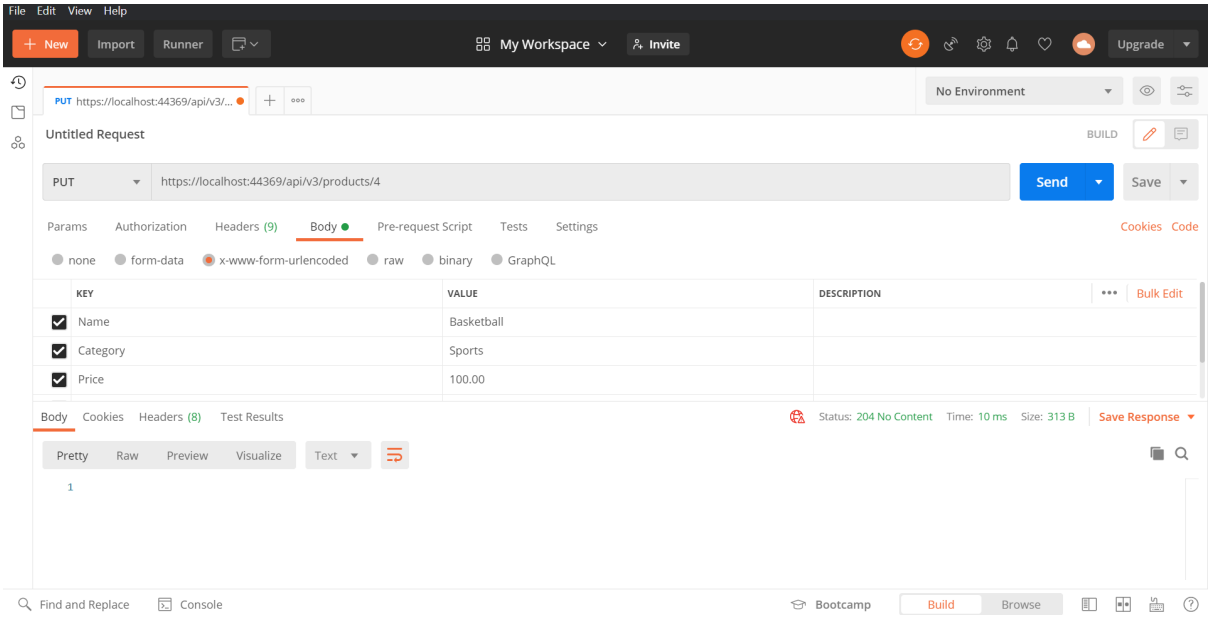


Figure 2.11.1 - A product has been updated

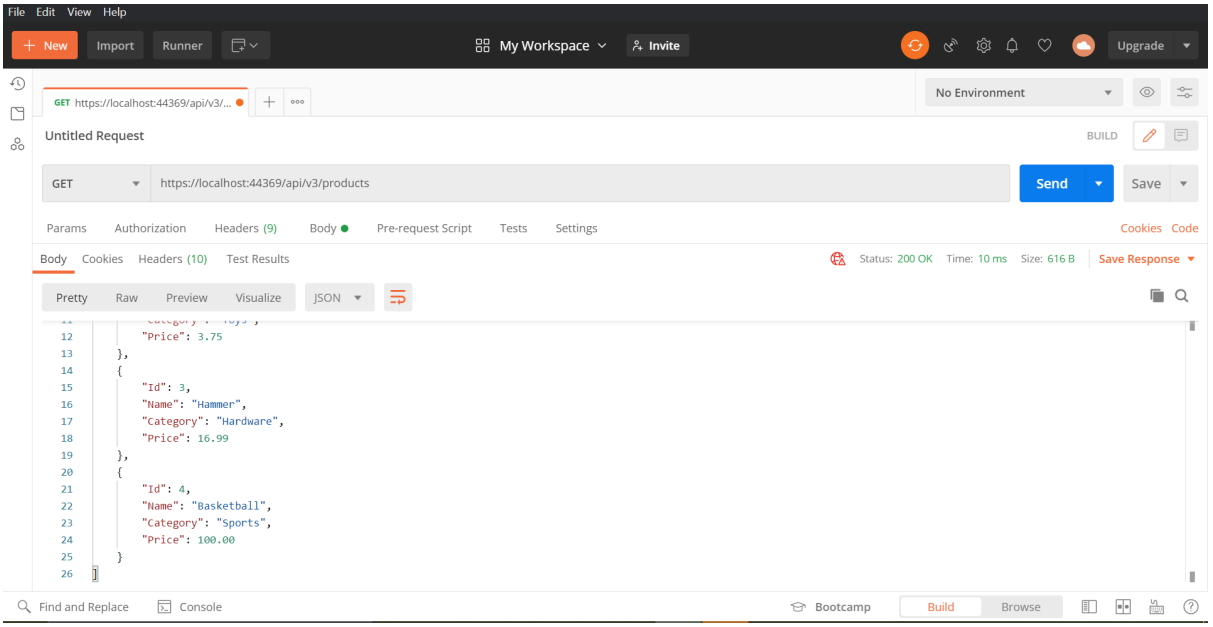


Figure 2.11.2 - Result of updated product has been added to the product list successfully

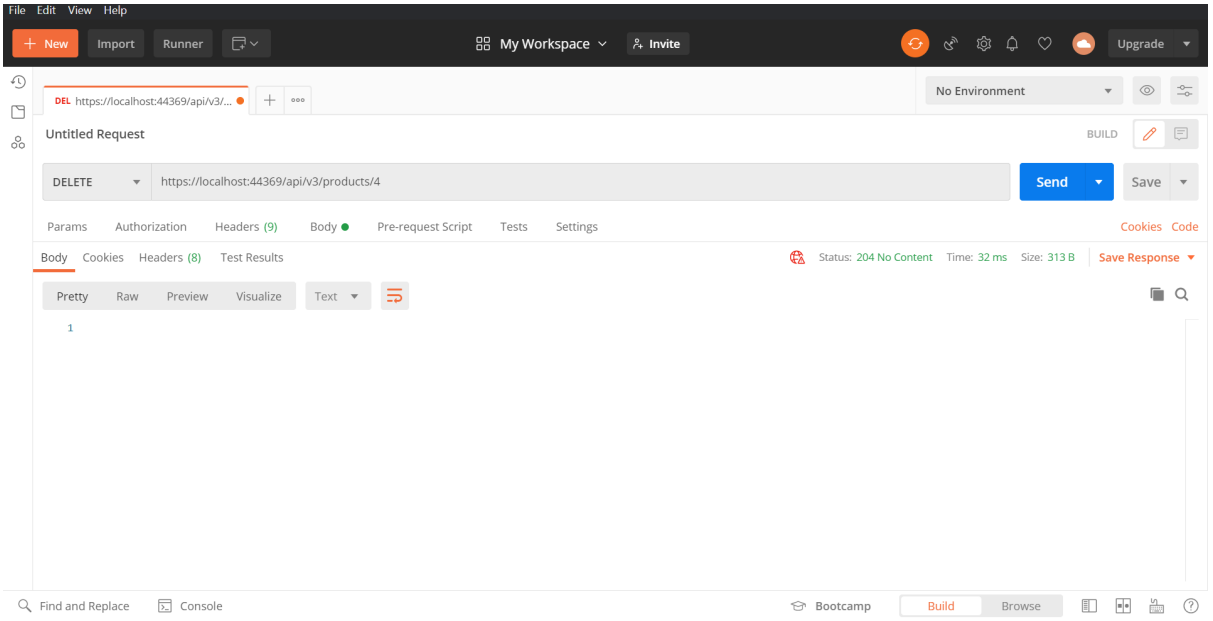


Figure 2.12 - Delete product from the list

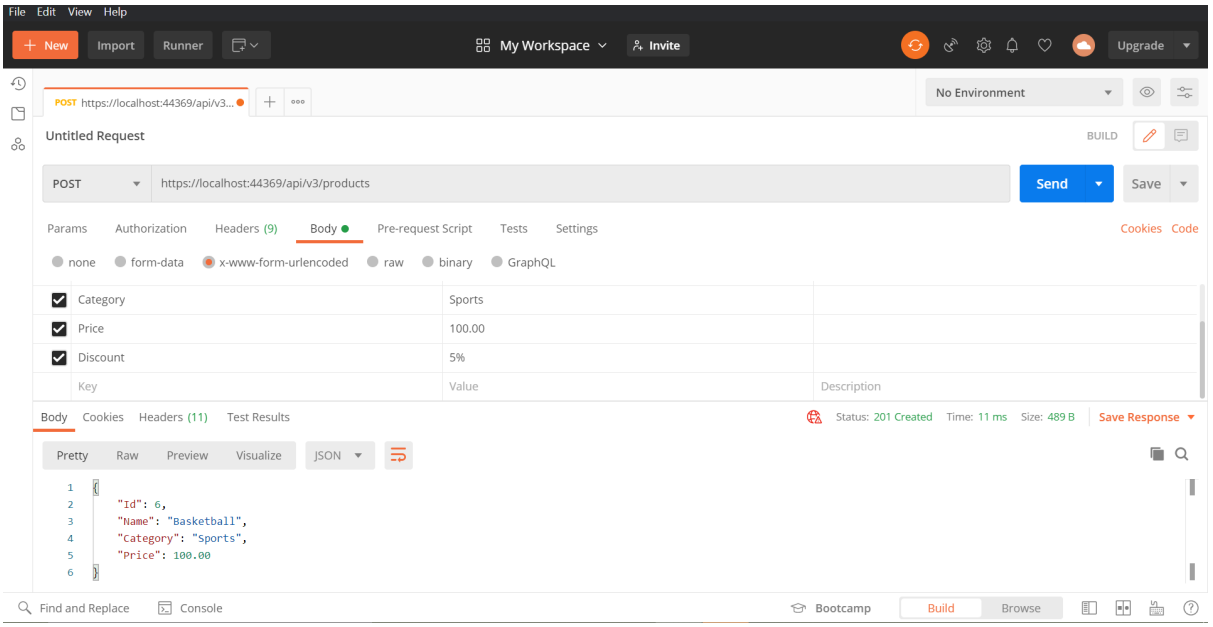


Figure 2.13 - Overposting

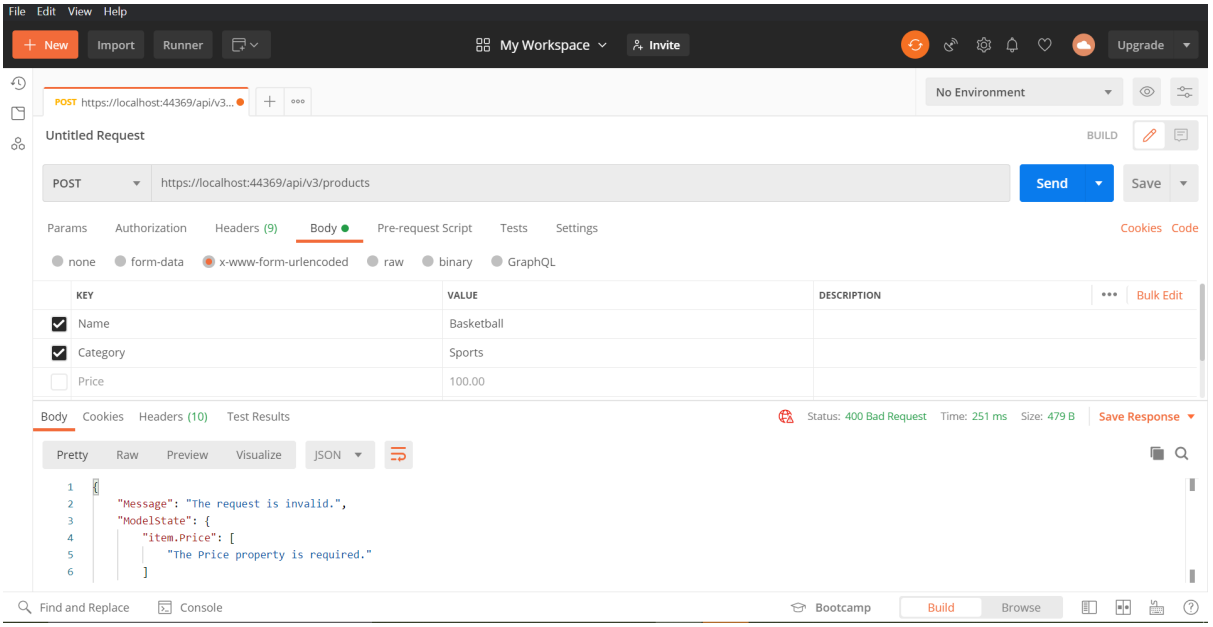


Figure 2.14 - Underposting

Task 3:

API Documentation:

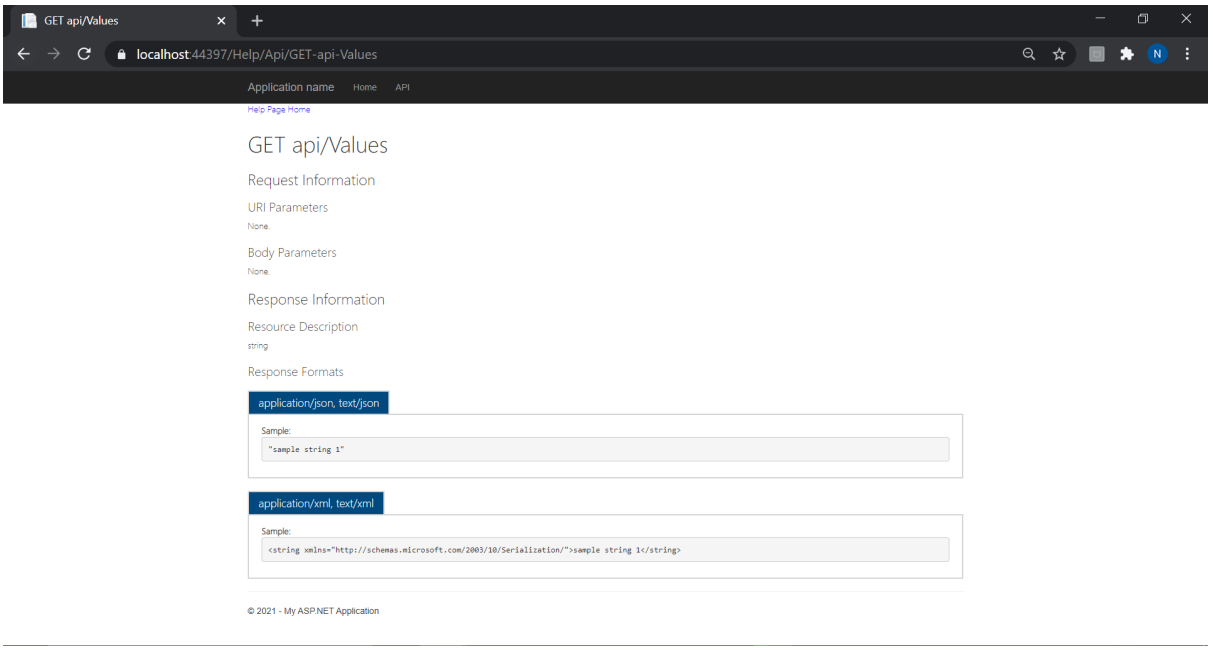


Figure 3.1 - Get Values API

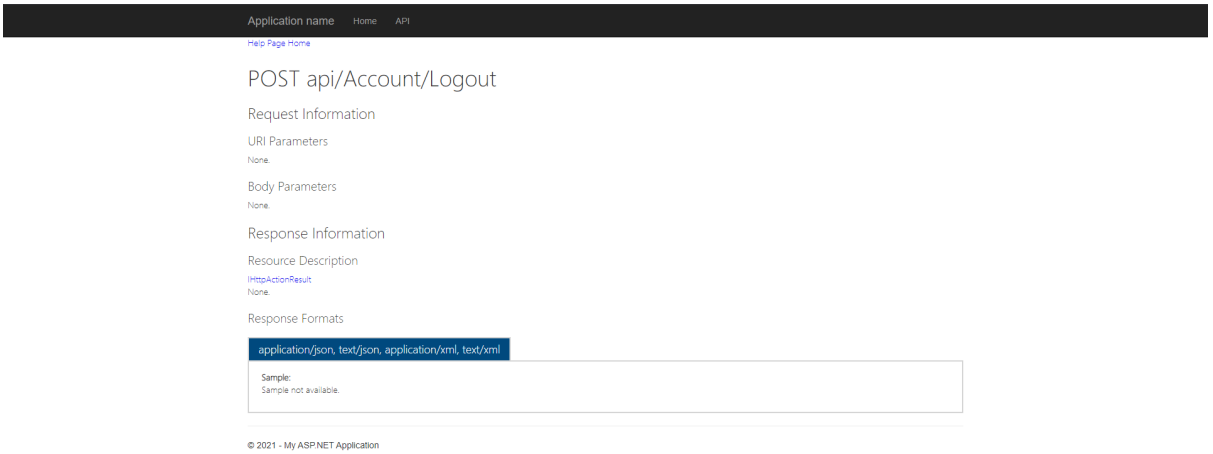


Figure 3.2 - Logout Account API

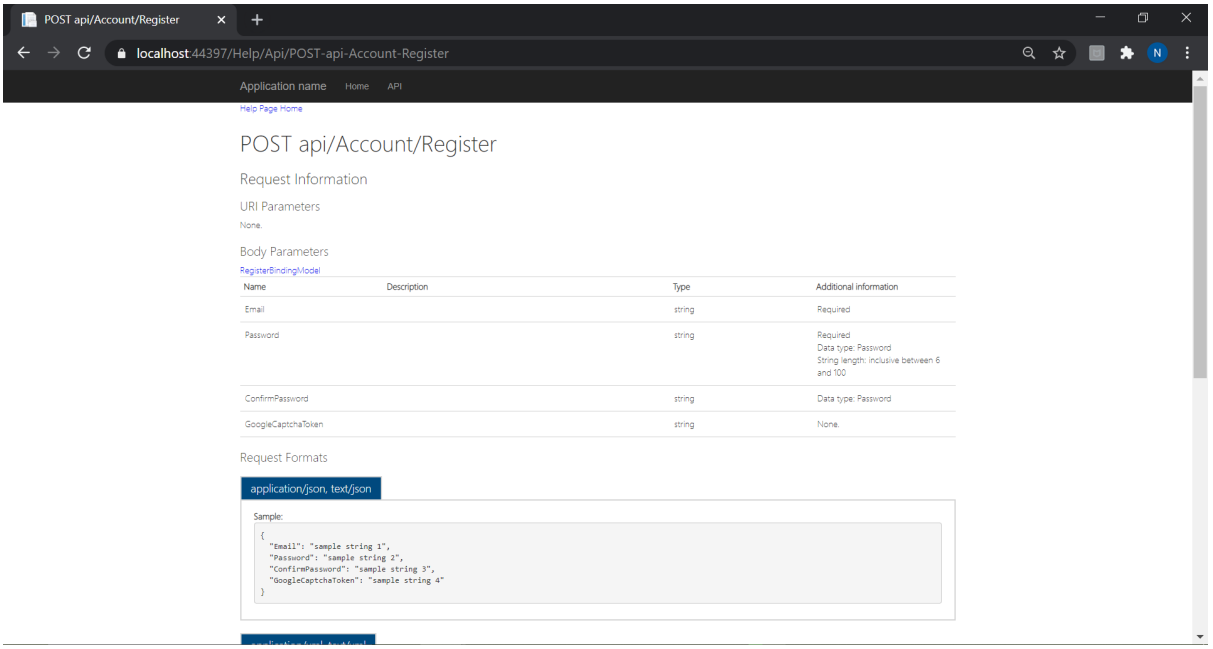


Figure 3.3 - Register Account API

Postman Testing and Screenshot :

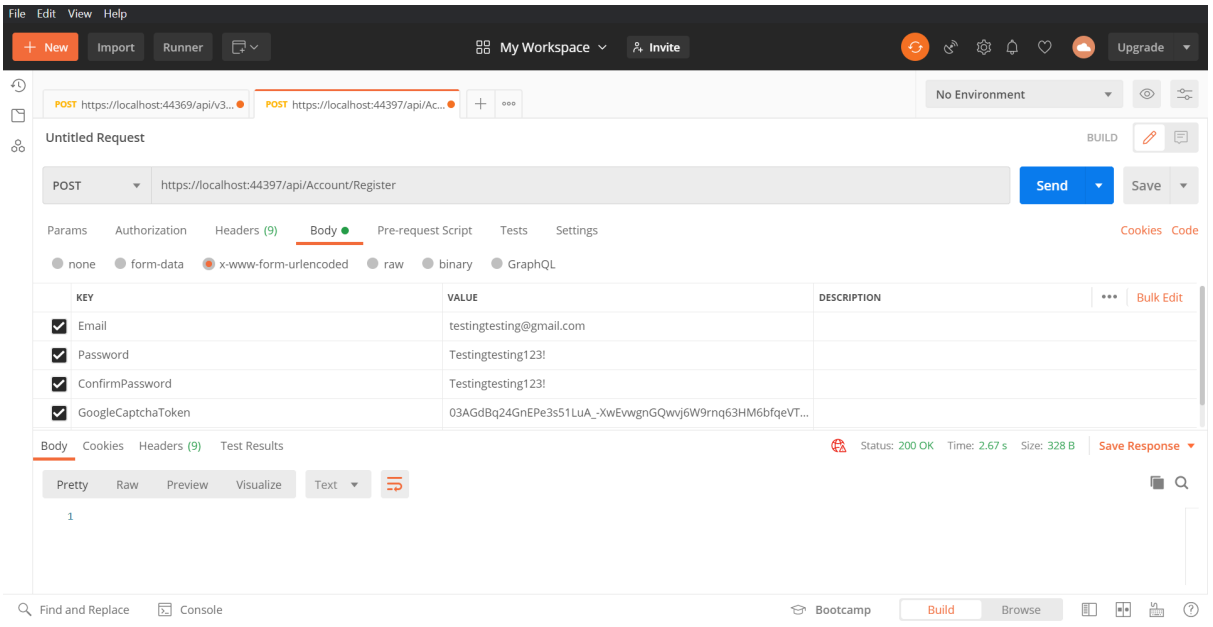


Figure 3.4.1 - Register an user account with required params attached

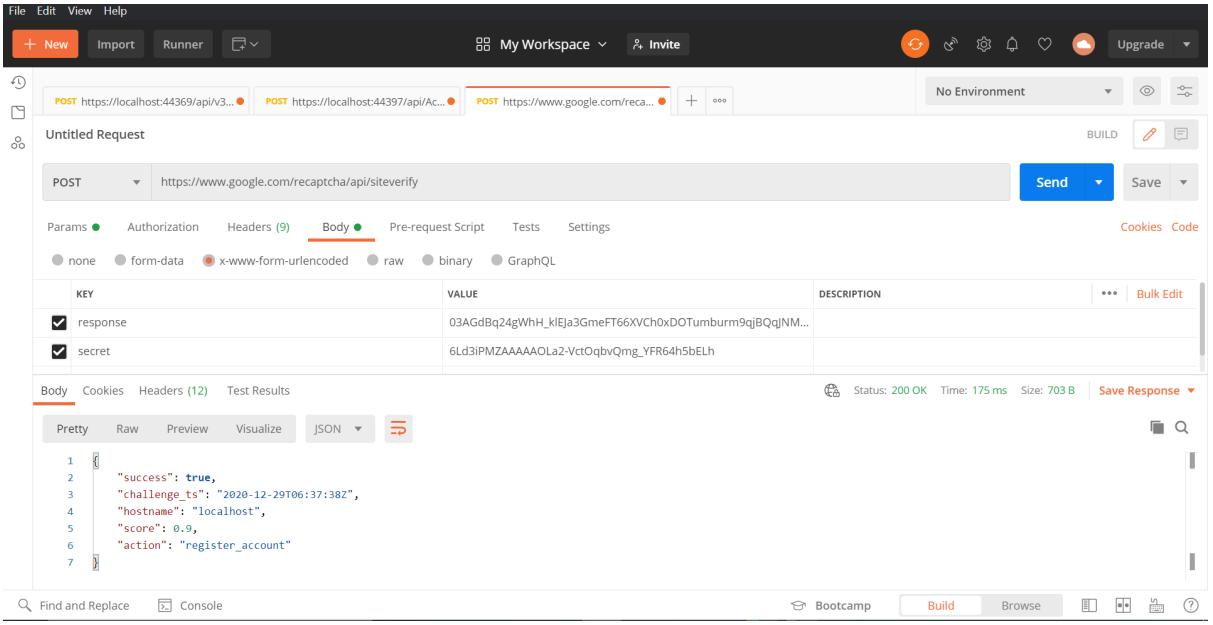


Figure 3.4.2 - The recaptcha verify api is called with GoogleCaptchaToken and secret key attached then a score will be returned to state whether the action is valid or not.

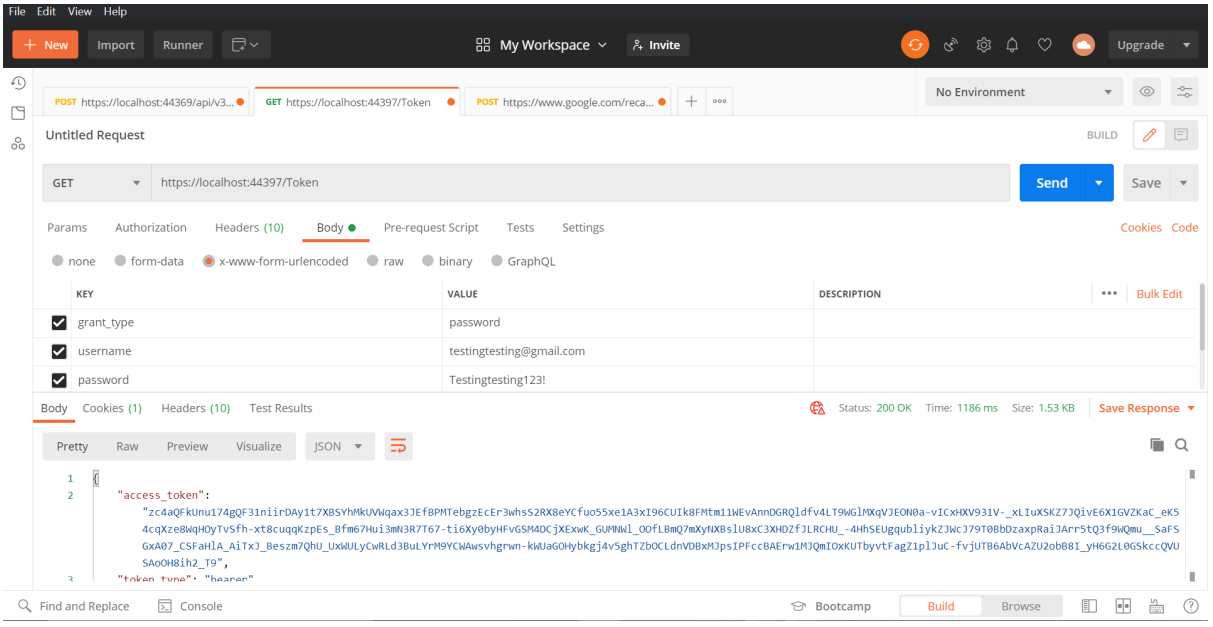


Figure 3.5 - Login with the proper credentials

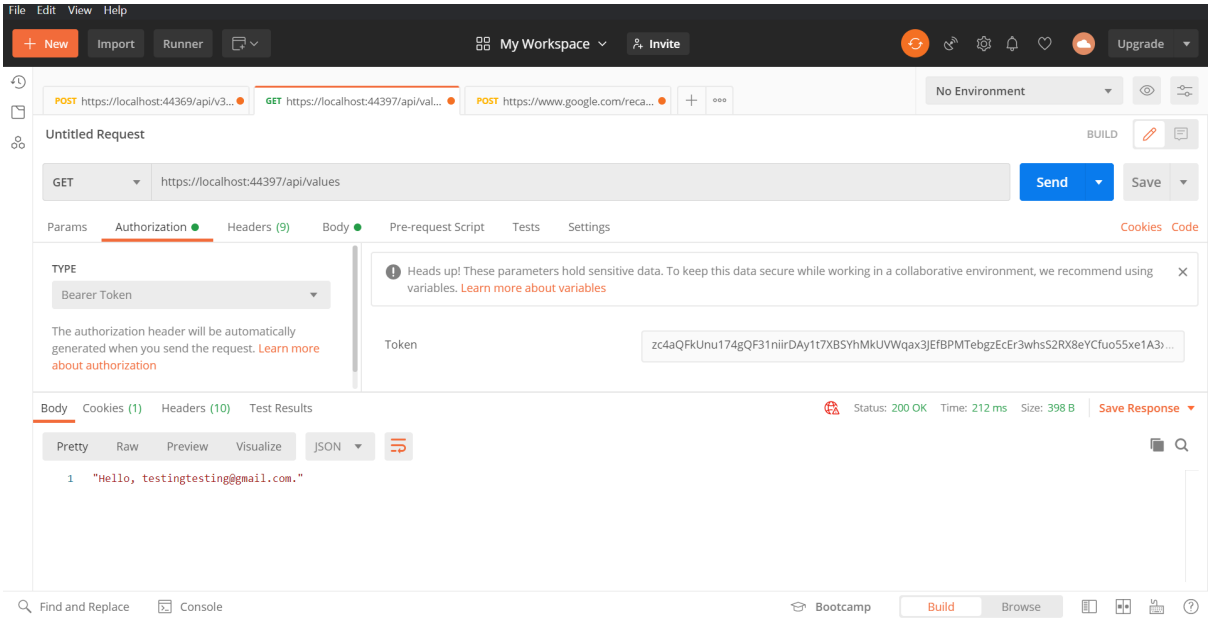


Figure 3.6 - Retrieve the result message with Bearer token attached in the request header

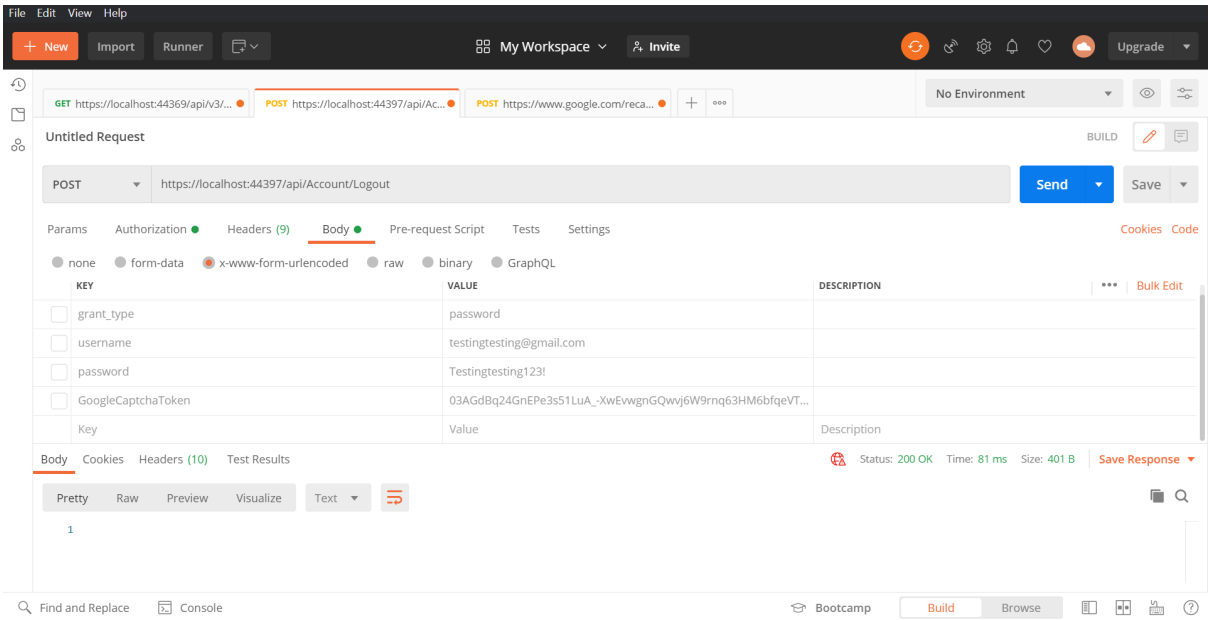


Figure 3.7 - Logout from the application

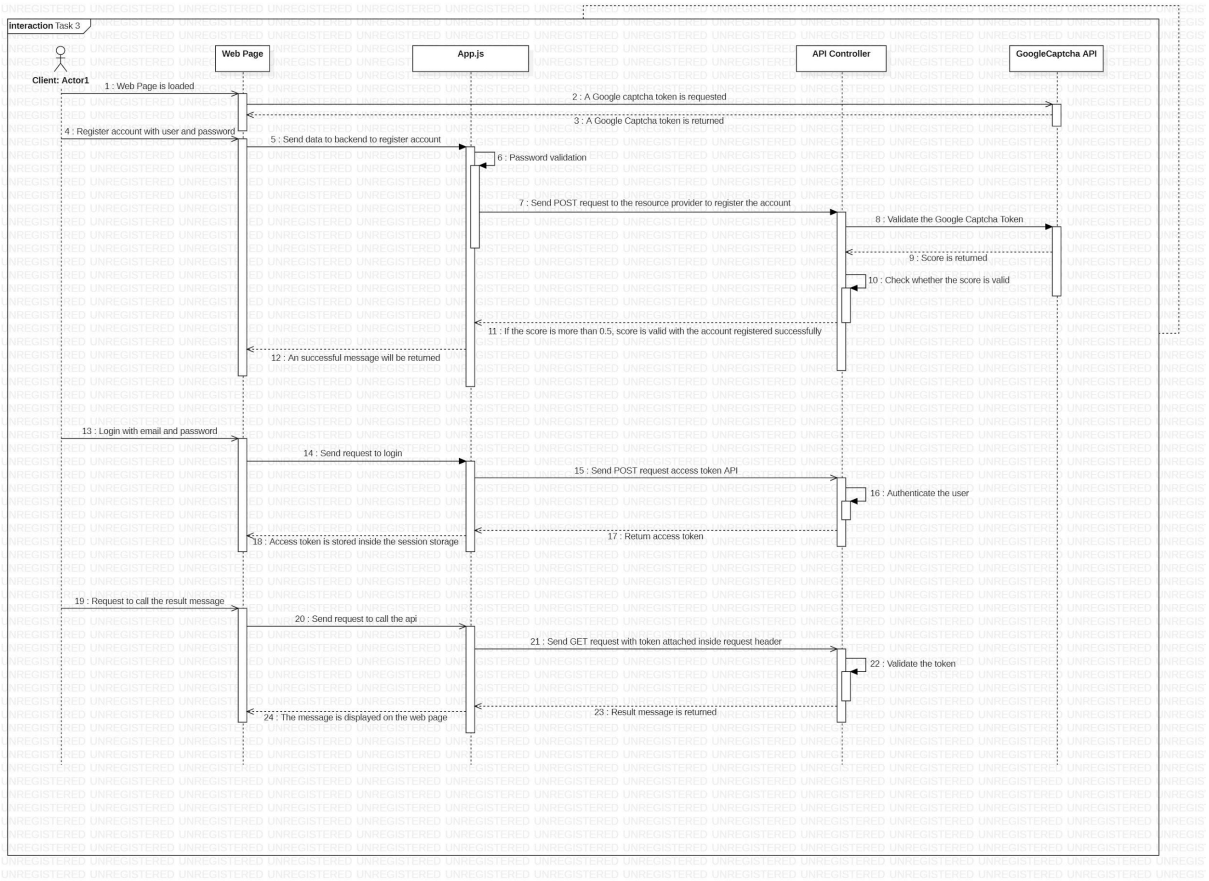


Figure 3.8 - Sequence Diagram

Task 4:

API Documentation :

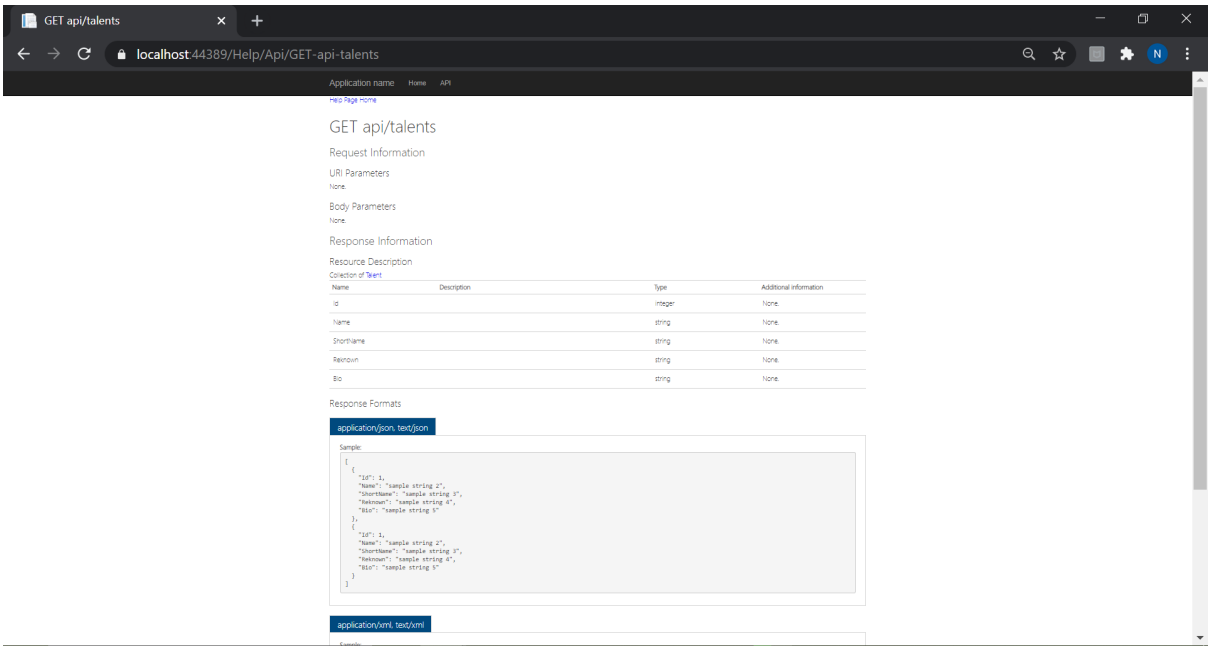


Figure 4.1 - Get all Talent API

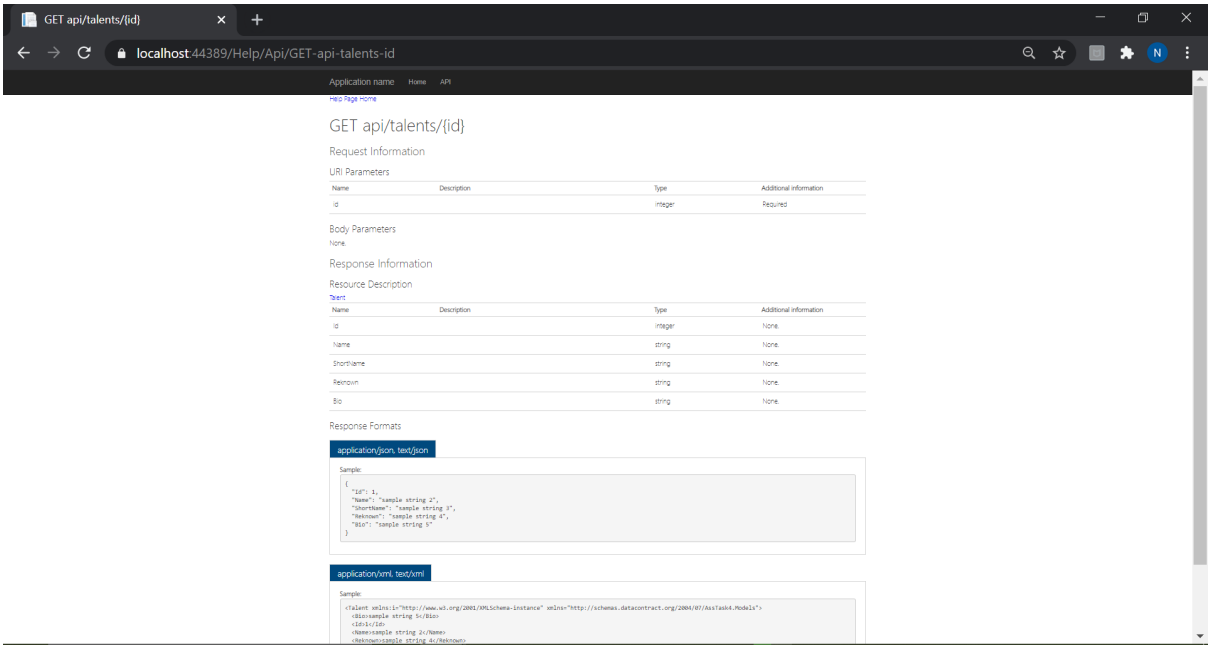


Figure 4.2 - Get Talent with ID

Postman Testing and Screenshots :

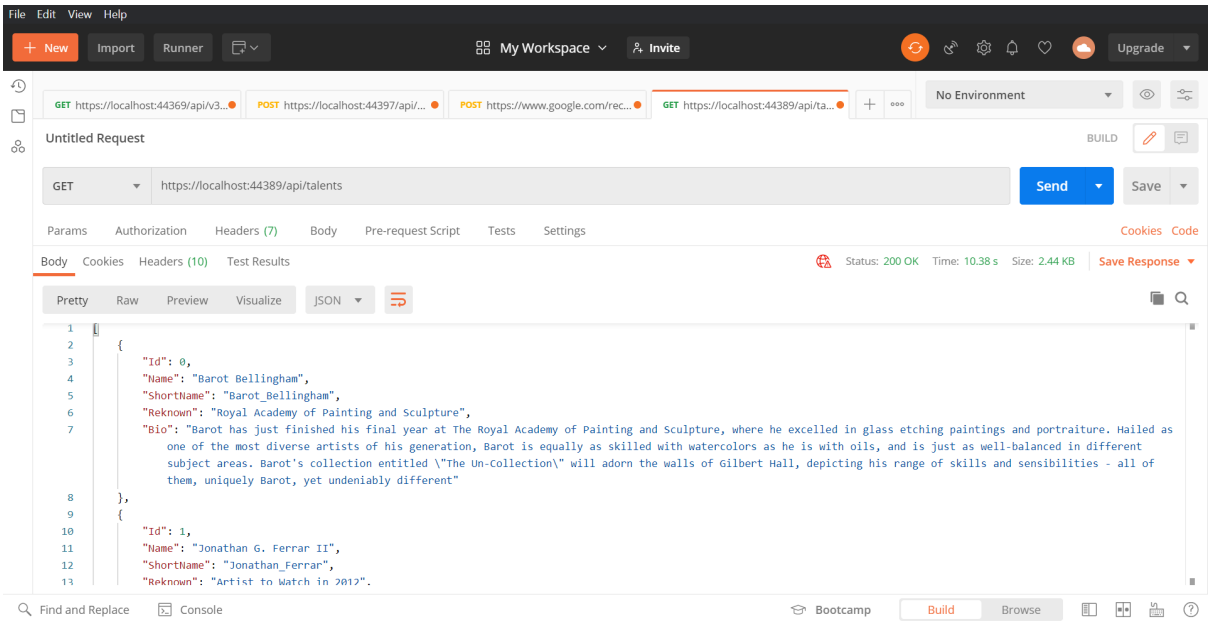


Figure 4.3 - Get all talents' details

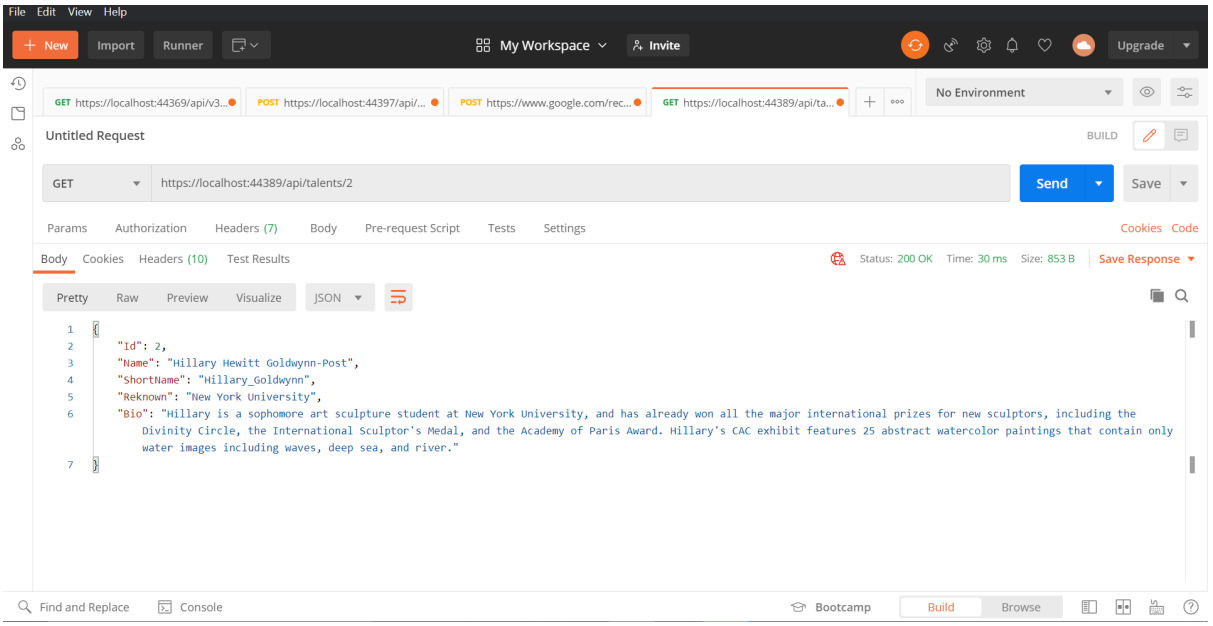


Figure 4.4 - Get talent's details with id

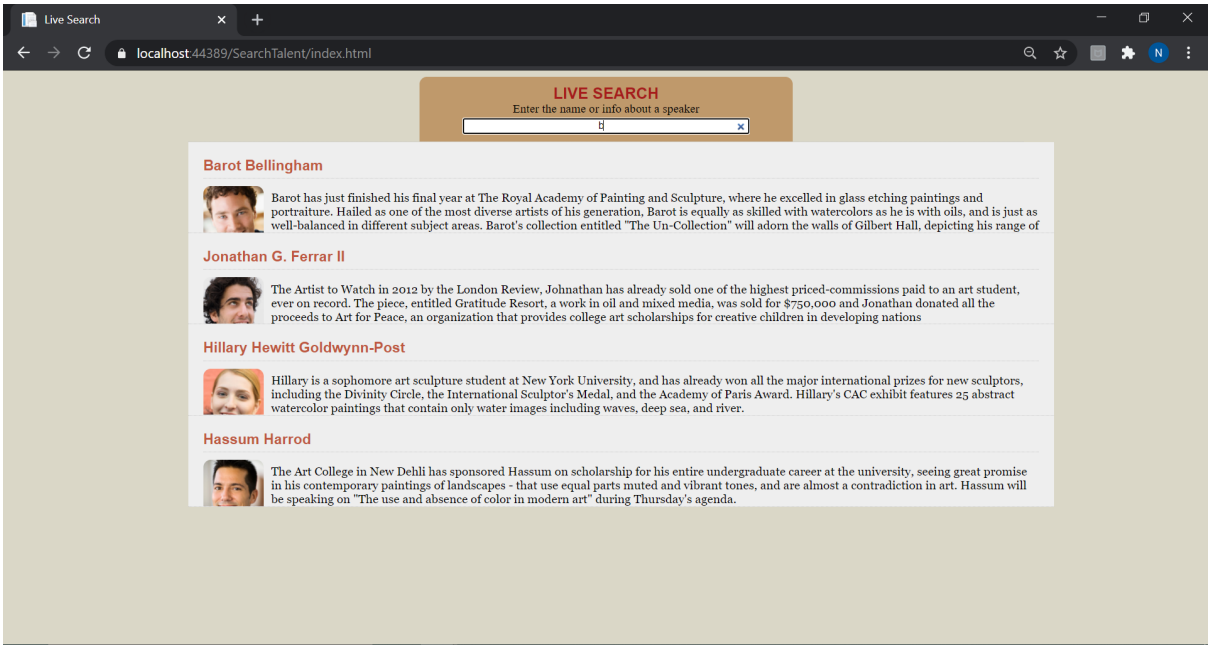


Figure 4.5 - Search talent with keywords

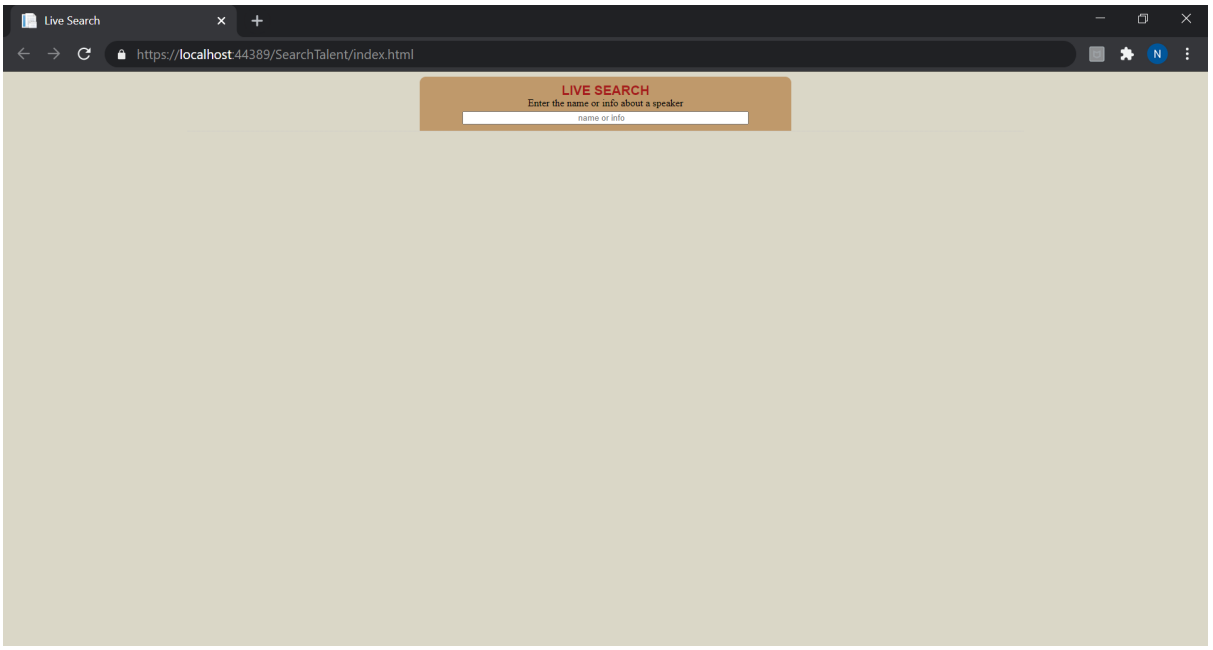


Figure 4.6 - Using HTTPS

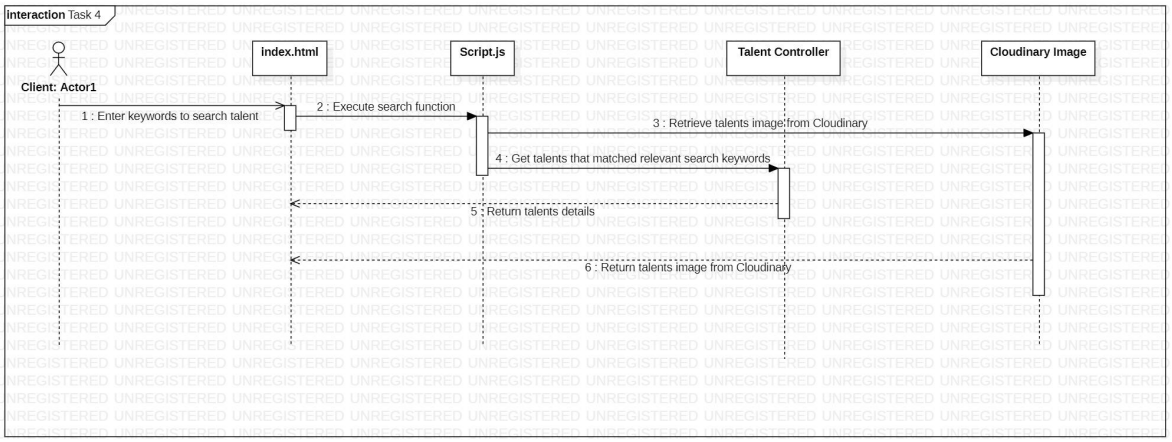


Figure 4.7 - Sequence Diagram

Task 5 :

Screenshots :

Figure 5.1 - Upload to S3 Page

Steps :

1) Upload the file by clicking that “Choose File” button.
2) Click on the “Upload to AWS S3” button to upload the images to AWS S3.
3) And the progress bar will show the request progress.
4) Additional : Validation occurs before uploading the file to AWS S3.
   Only Images with format (.JPEG/.JPG/.PNG) are accepted.

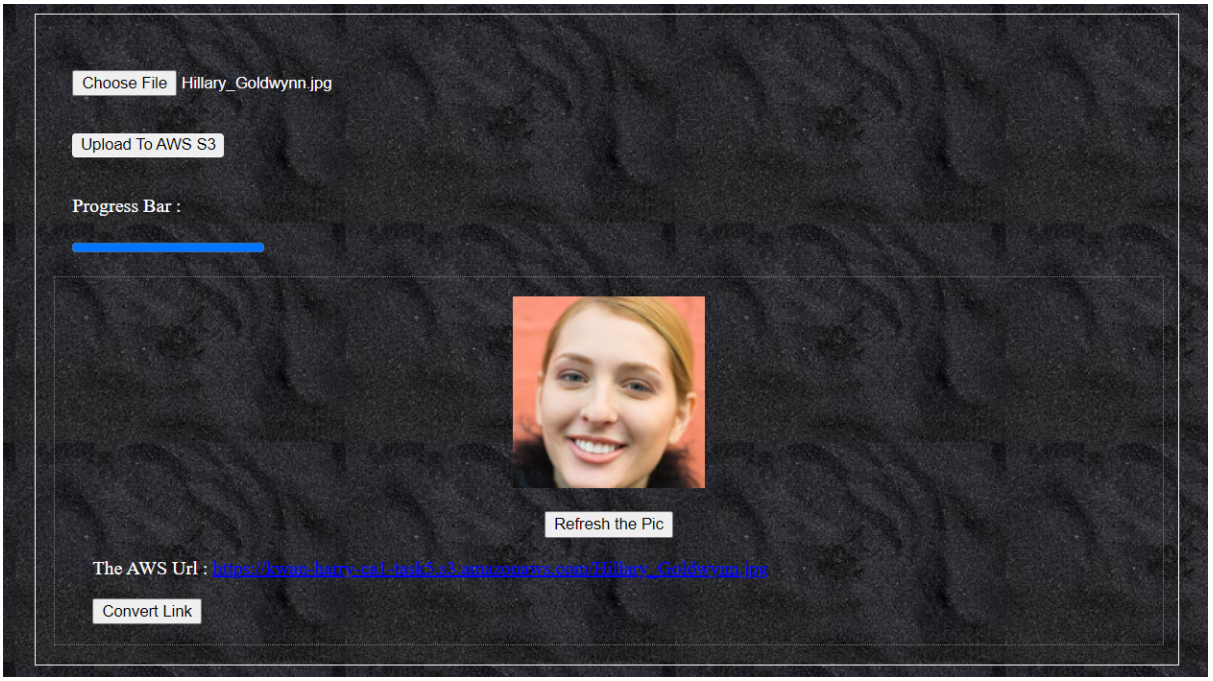


Figure 5.2 - Showing result

Steps :

1) Click on the “Refresh the Pic” button if the picture is not loaded.
2) The AWS Url is shown at the bottom.
3) Click on the “Convert Link” button to convert the long AWS Url to a short Url.

4) Can click on the href link to check whether the image is uploaded and stored successfully in AWS S3.

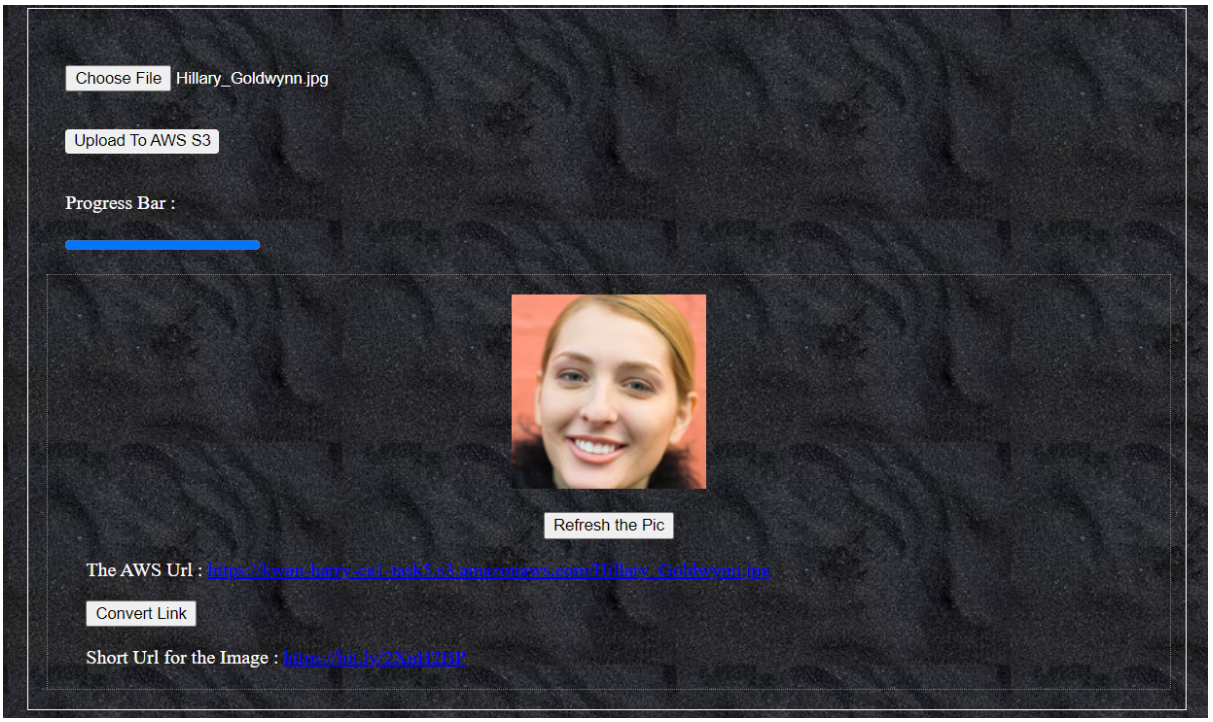


Figure 5.3 - Shorten the AWS Url

Step :

1) Click on the link to check whether the shorter link is working well.

Figure 5.4 - Upload Successfully Message shown

Figure 5.5 - File Validation

Step :

1) Upload the file that the file type is not supported.

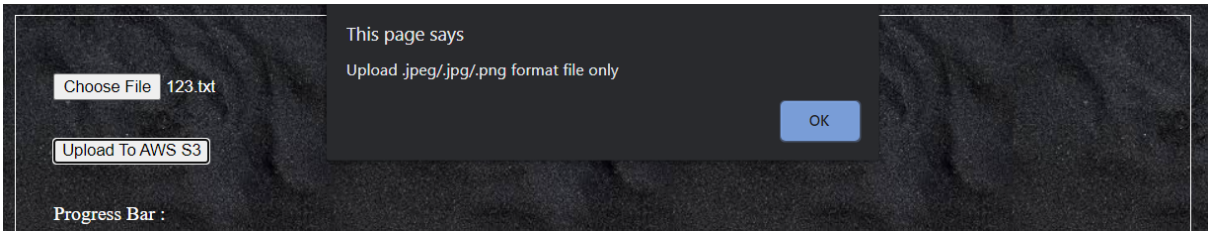


Figure 5.6 Alert message shown.

Figure 5.7 Error message shown.

Figure 5.8 Prevent uploading empty file
-The “Upload to AWS S3” button is disabled when there is no file selected.

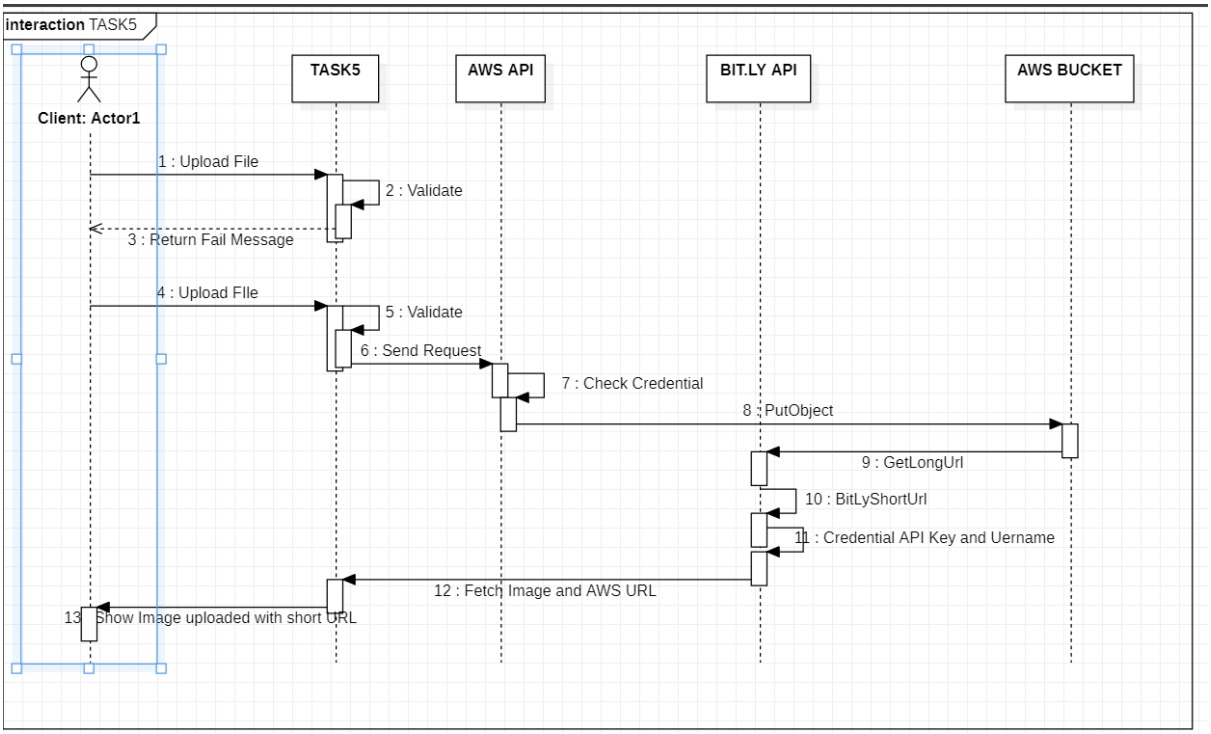


Figure 5.9 Sequence Diagram

Task 6 :

Screenshots :

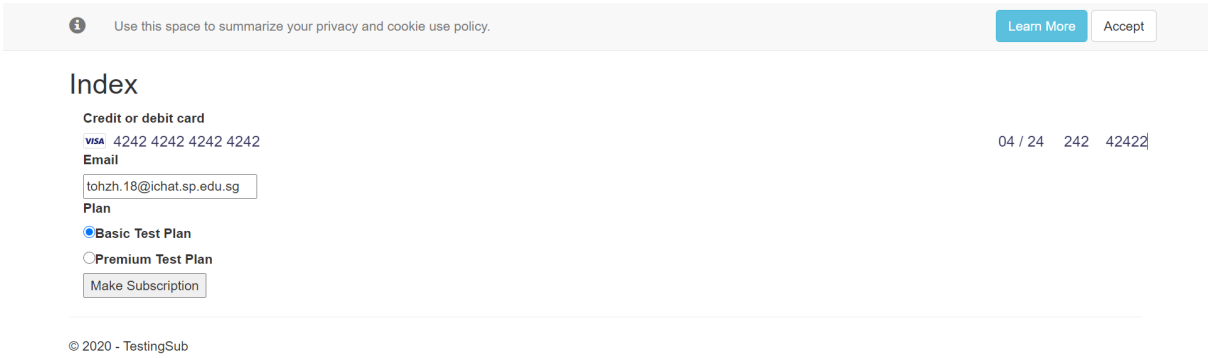


Figure 6.1 - Subscription Page

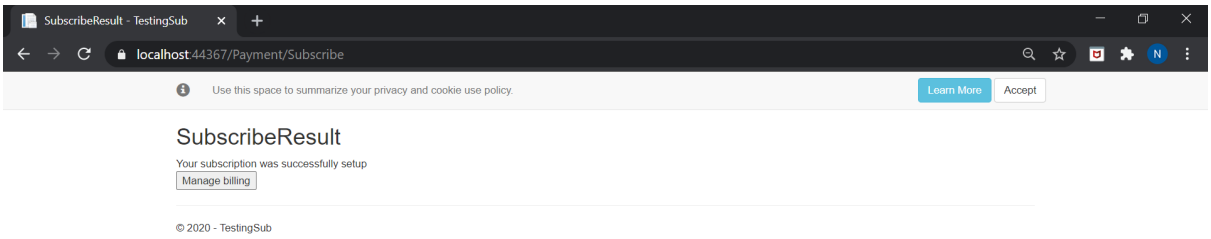


Figure 6.2 - Subscribe Result

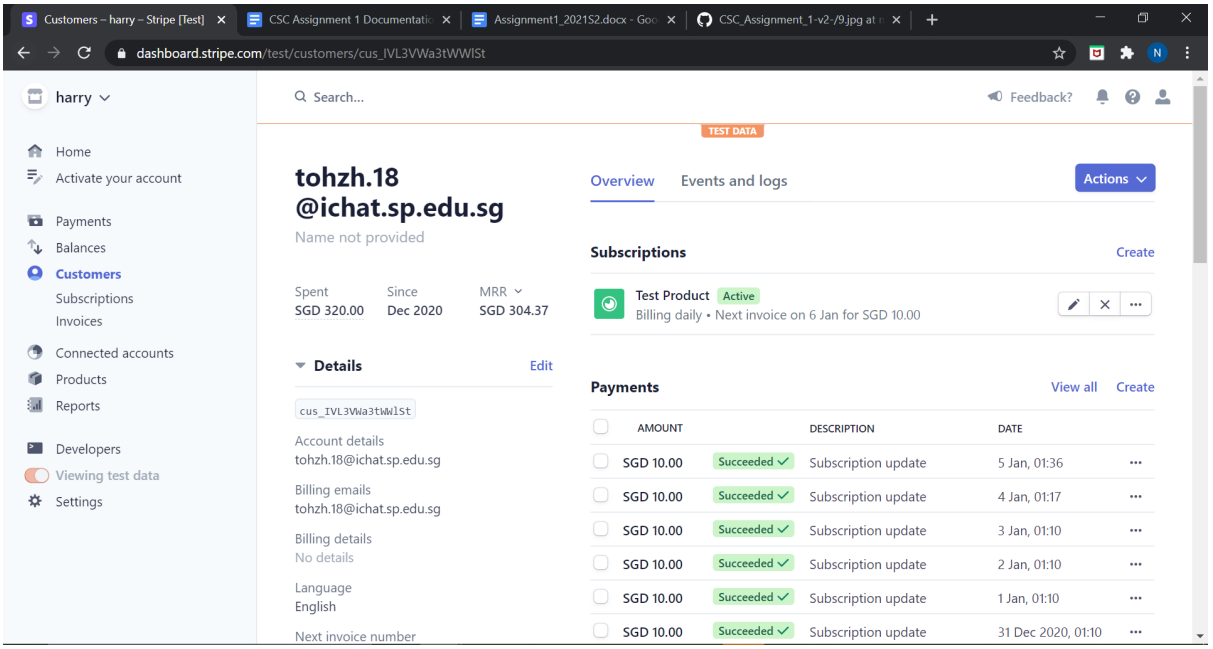


Figure 6.3 - Recurring Subscription

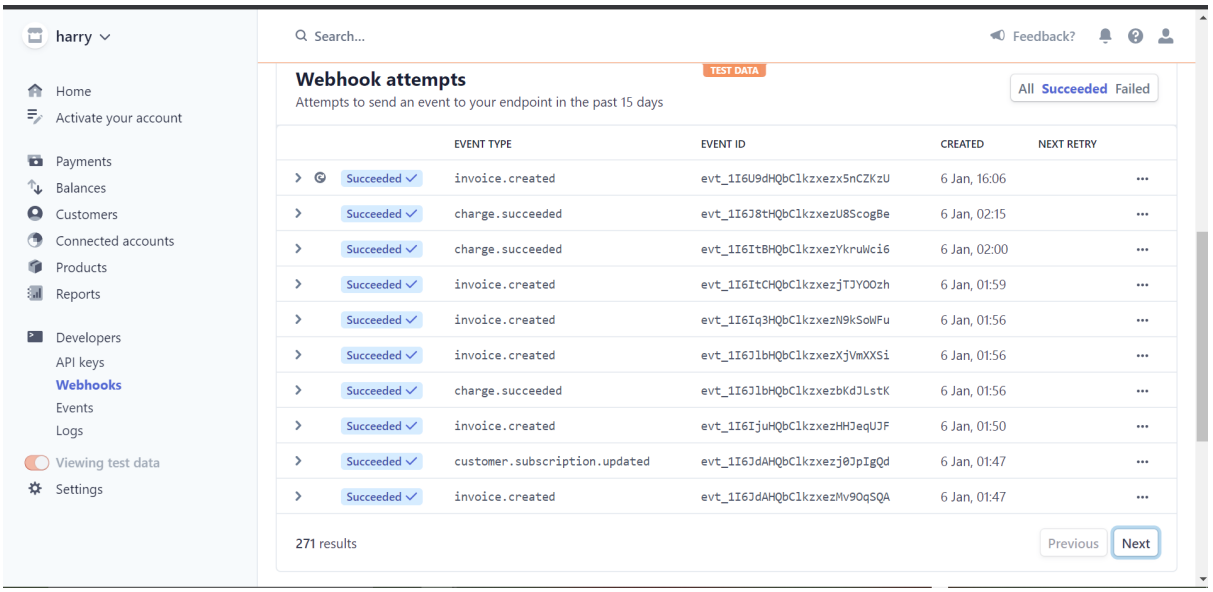


Figure 6.4 - Webhook attempts to application

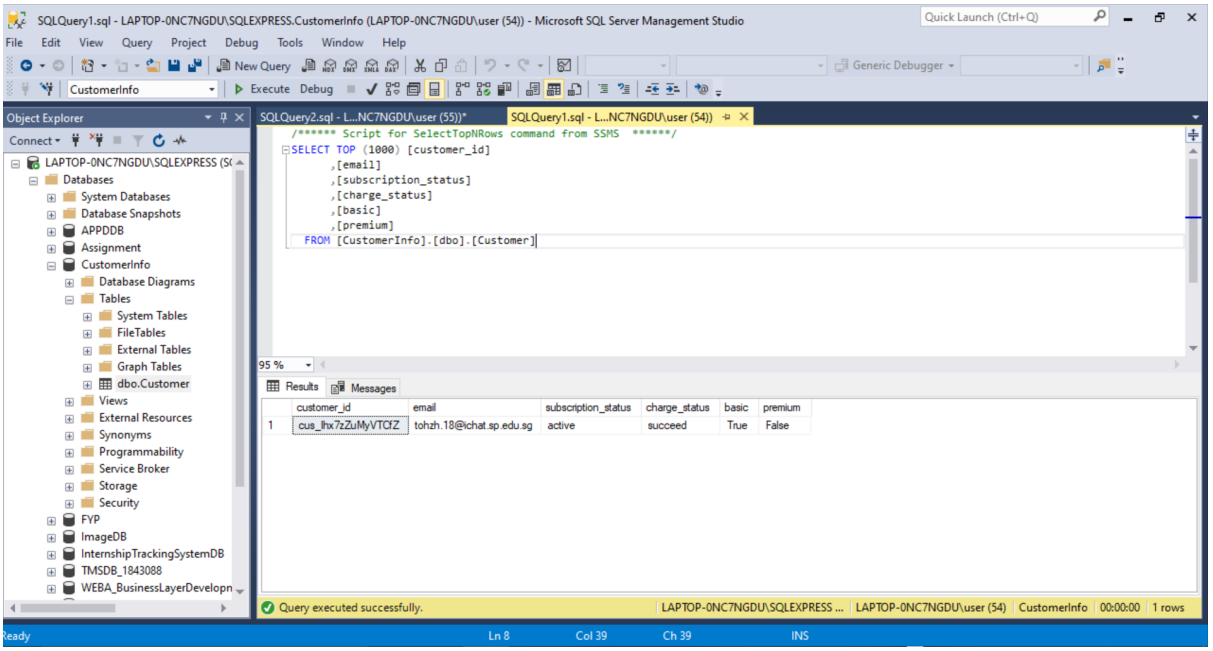


Figure 6.5 - Subscription status has been stored into local database

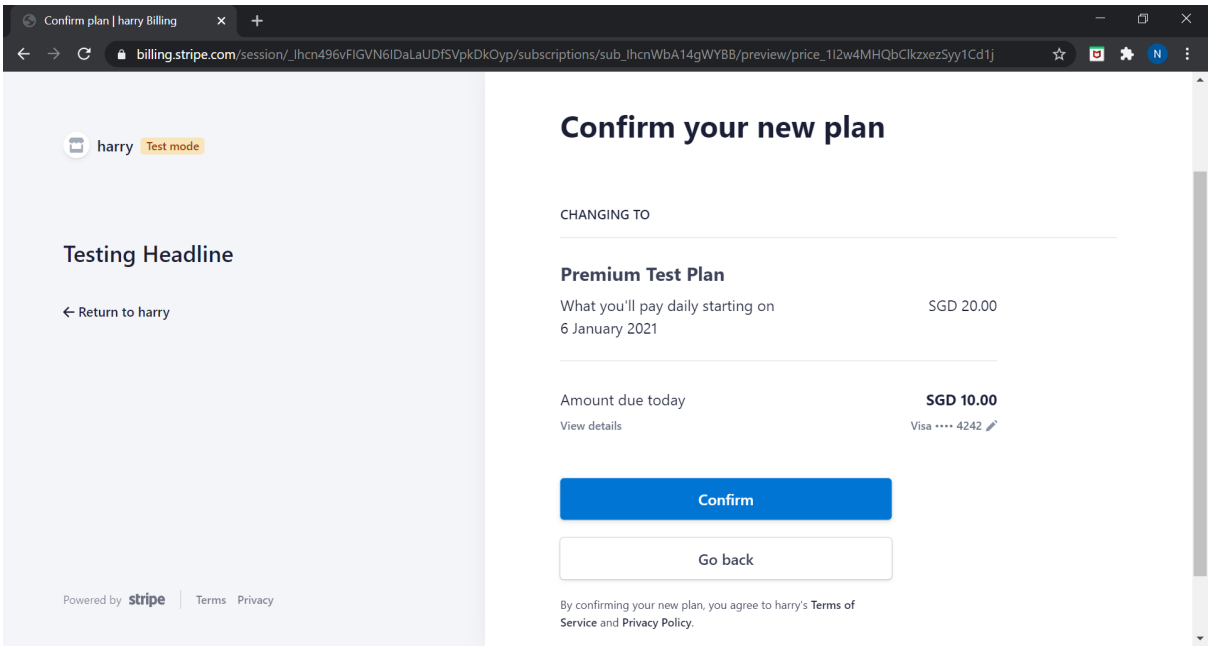


Figure 6.6 - Change plan

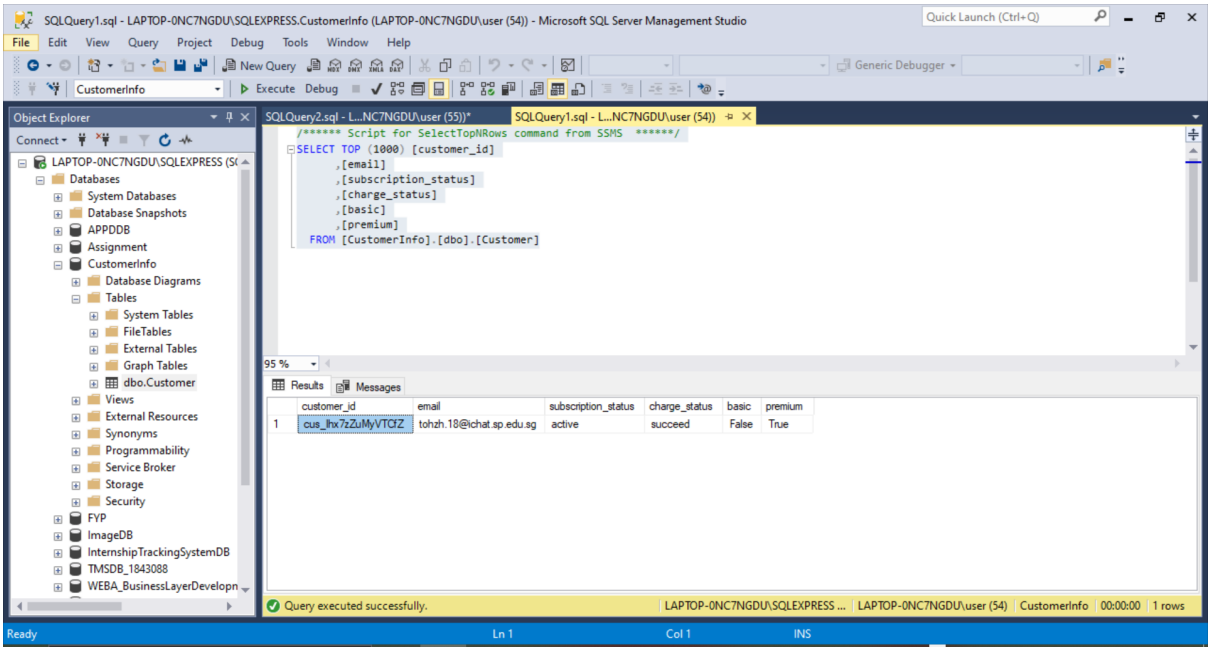


Figure 6.7 - Plan has been changed inside the database

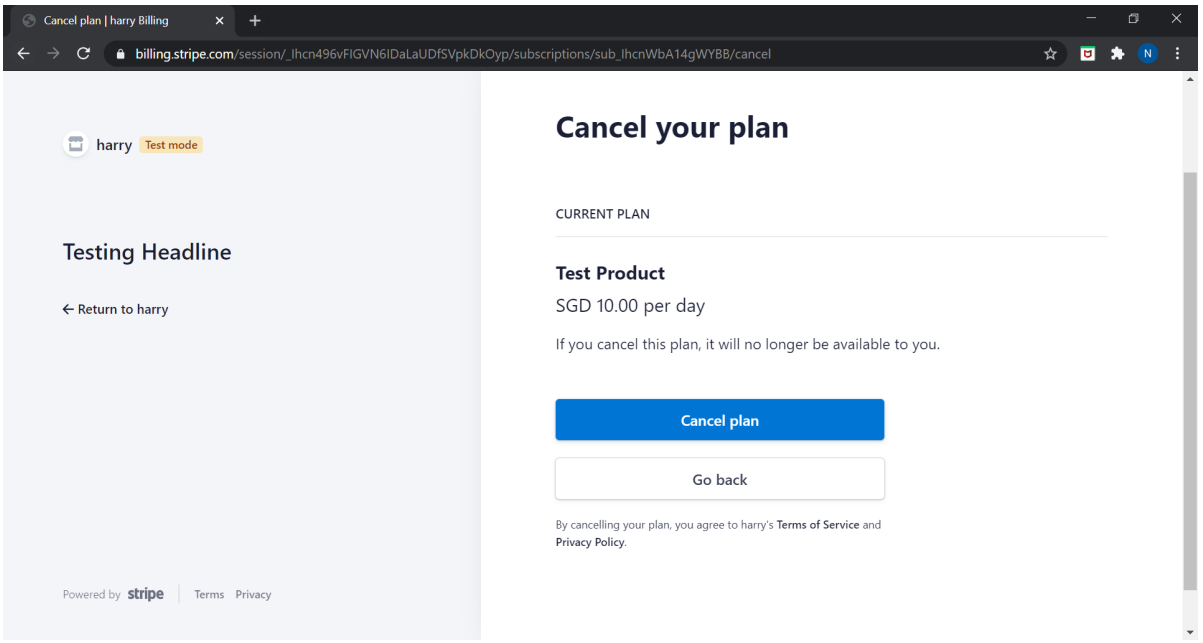


Figure 6.8 - Plan cancellation

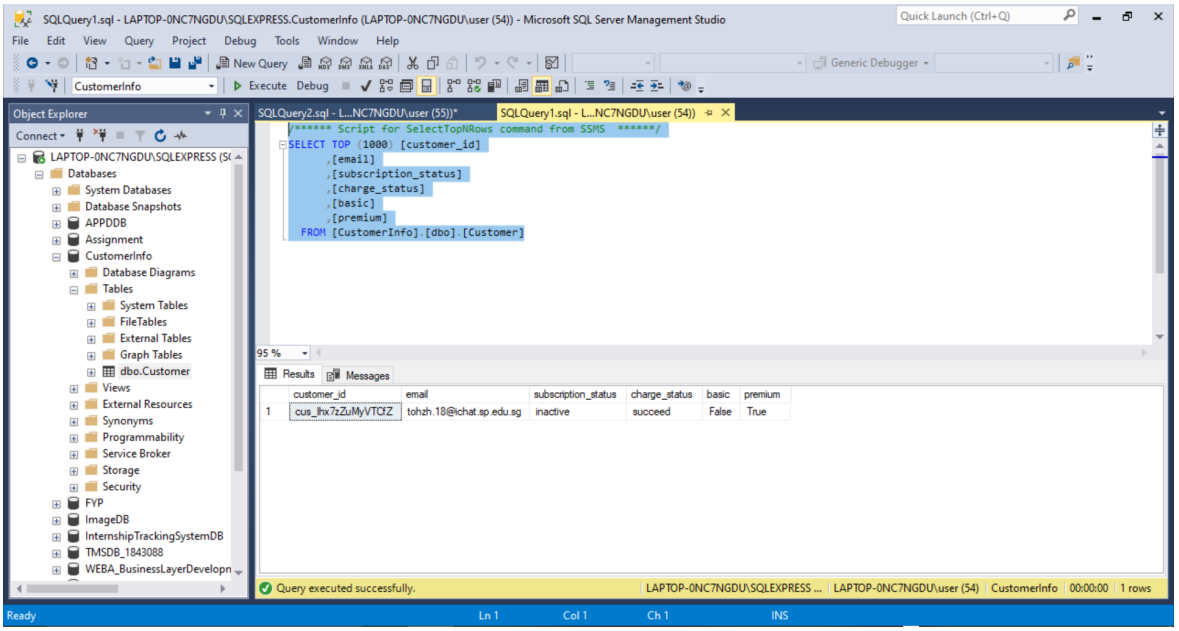


Figure 6.9 - Subscription status has been updated

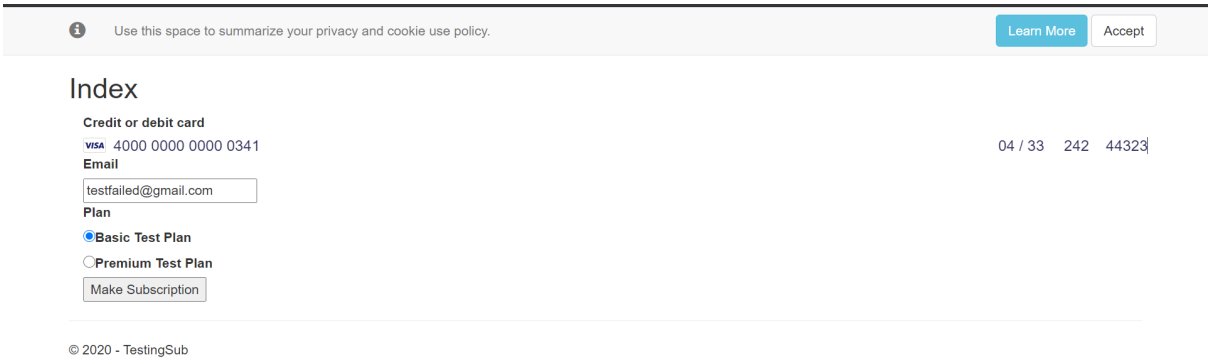


Figure 6.10 - Attempt to send a card which results failure of charging

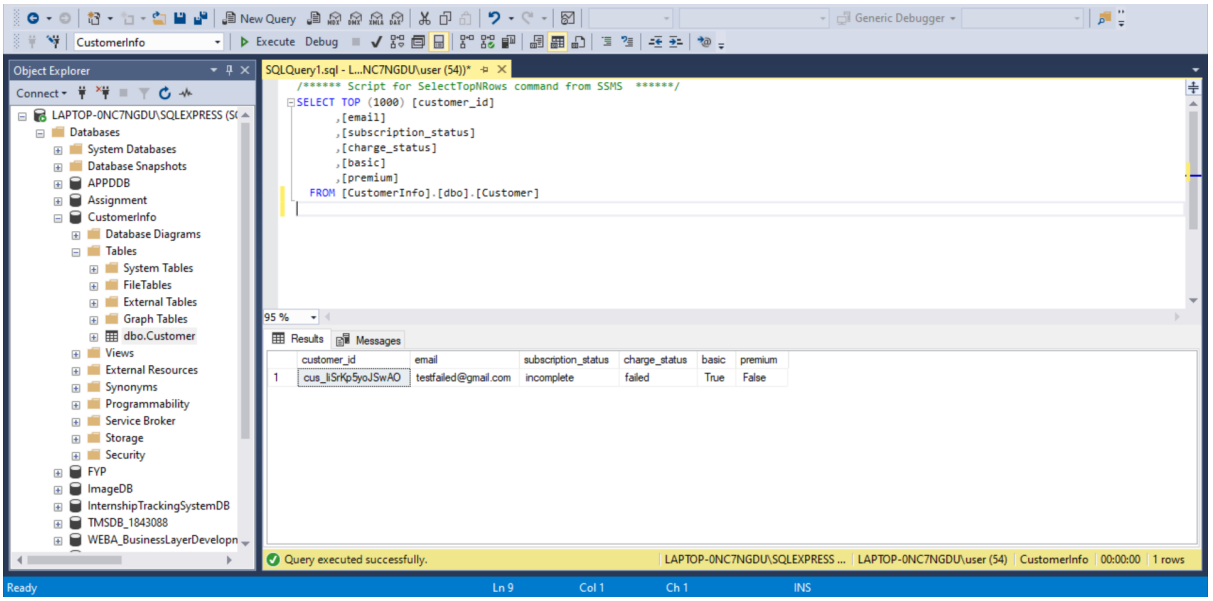


Figure 6.11 - Charge status has been failed and recorded inside the database

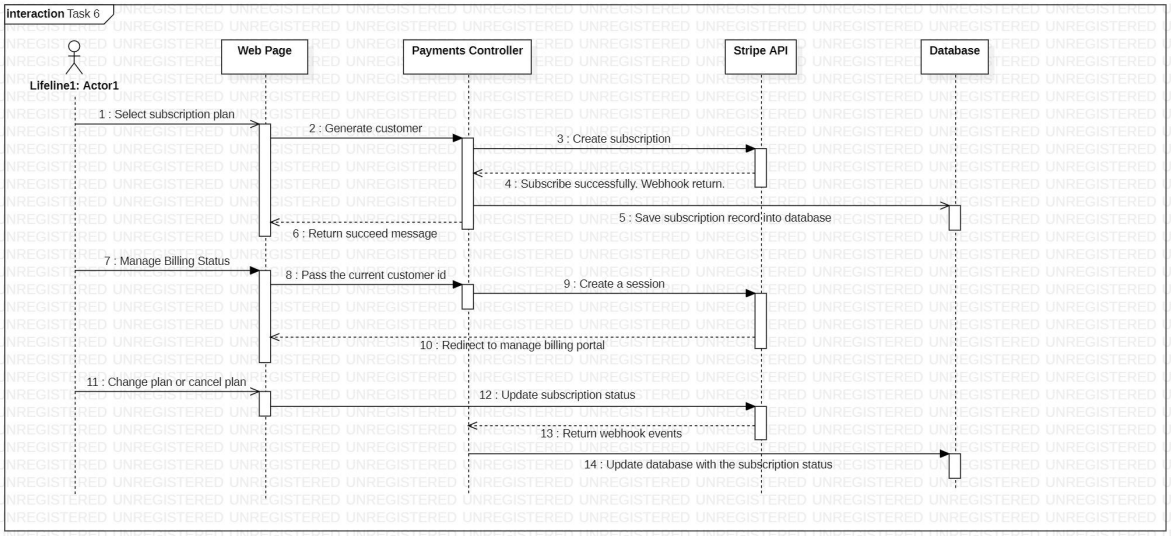


Figure 6.12 - Sequence Diagram

Task 7 :

Screenshots :

Figure 7.1 - Task 7 Page

Steps :

1) Upload the File by clicking “Choose File” button.
2) Click on the “Upload” button to recognise the image.

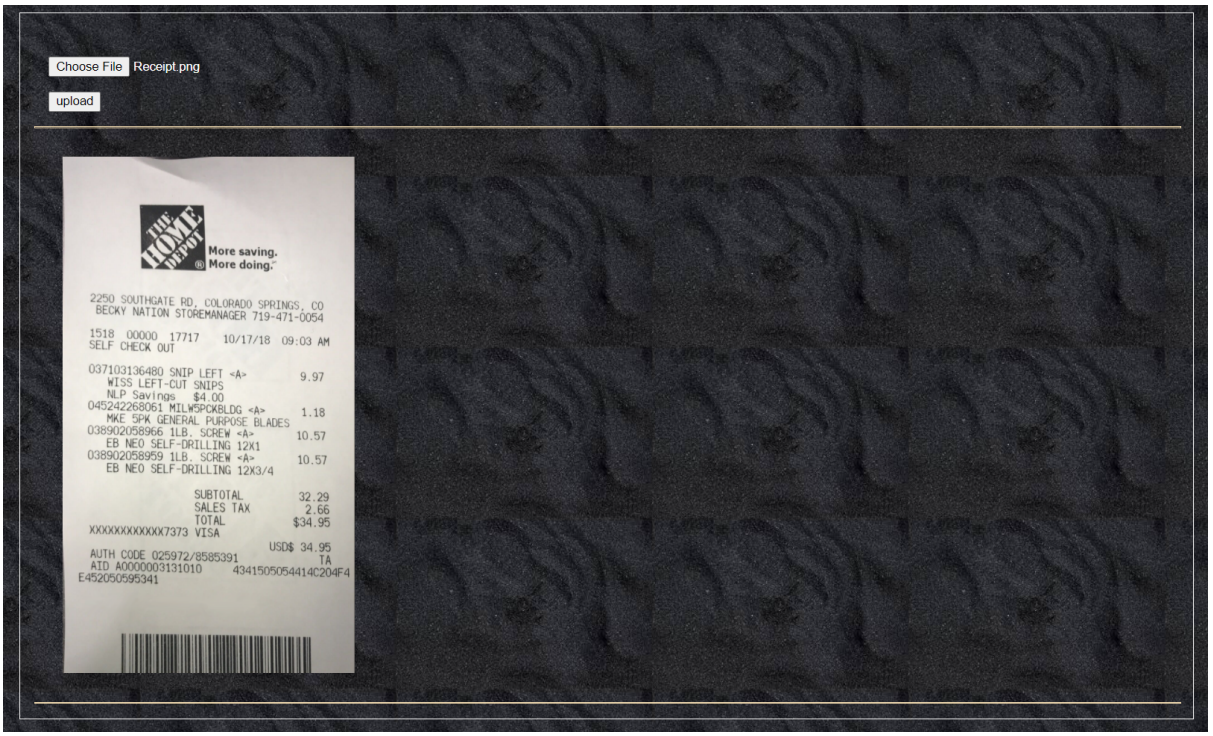


Figure 7.2 - Image Preview in the Table

Figure 7.3 - Loading Gif while processing the request

Figure 7.4 - The information of the image shown (receipt image)

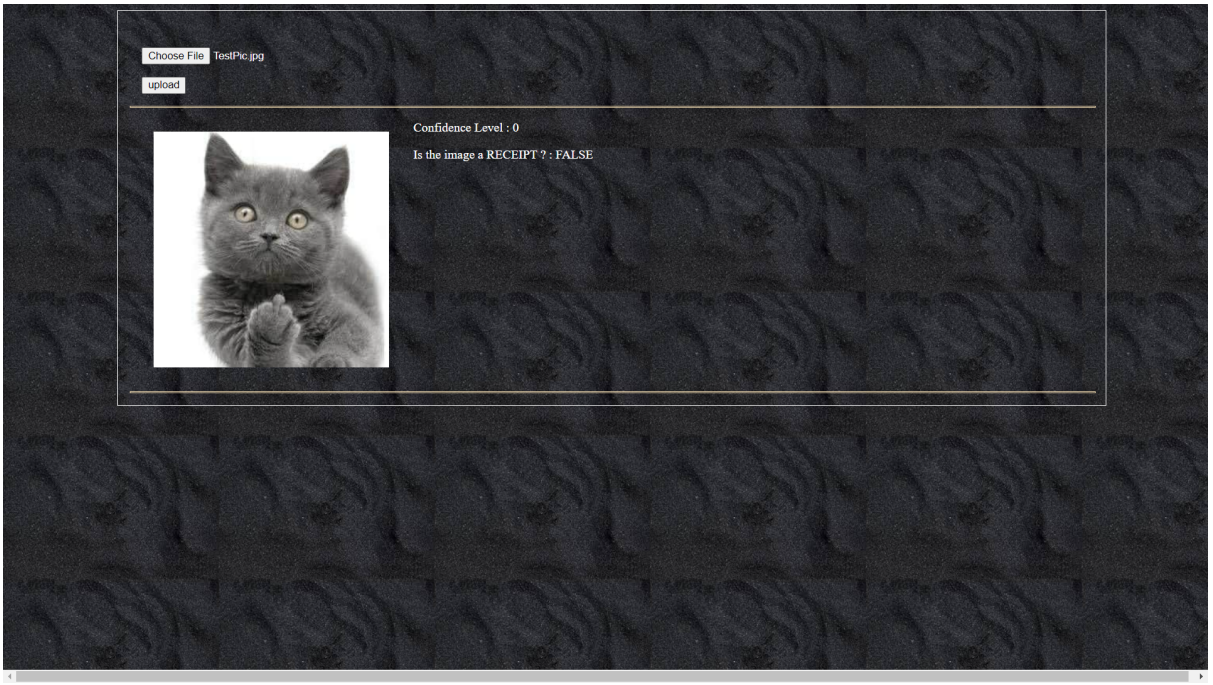


Figure 7.5 - The information of the image shown (not a receipt image)

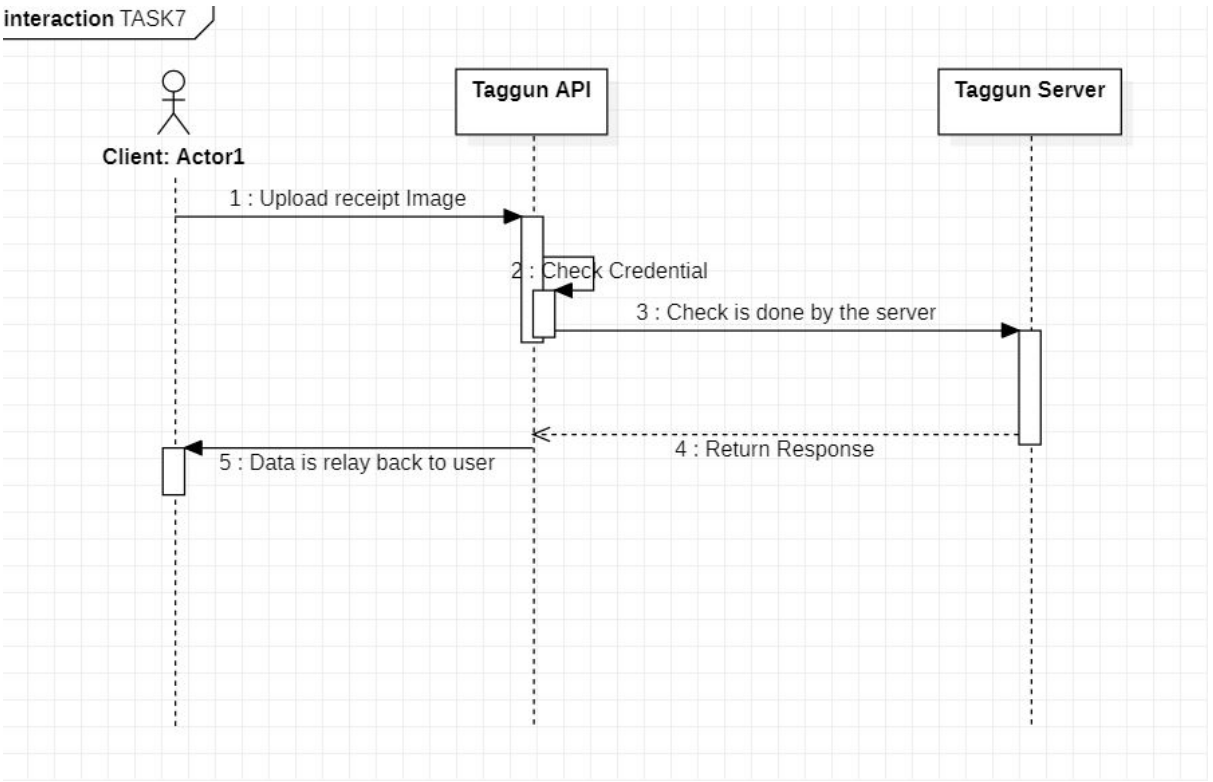


Figure 7.6 - Sequence Diagram