Back End Development CA1 Submission and Documentation

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# Preface

There are some endpoints that has the x-www-form-urlencoded in their image:

Graphical user interface, text, application

Description automatically generated

And there are some in the “raw” JSON format

A screenshot of a computer

Description automatically generated with medium confidence

Do note that these both are the same and can be used interchangeably if the name of they keys are the same.

For more details instructions on how to set it up, the Setup\_Instructions.txt and README.md file are good places to start (prioritise on the former!)

# Users

## Database

### Table

Graphical user interface, text, application, email

Description automatically generated

### Foreign Keys

No foreign key

## Add a new user (POST /users)

### New user added (Success Response)

A screenshot of a computer

Description automatically generated

### User already exists

A screenshot of a computer

Description automatically generated

## Get all users (GET /users)

### Get all users (Success Response)

A screenshot of a computer

Description automatically generated

## Get user by id (GET /users/:userid)

### Get user (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

### User not found

A screenshot of a computer

Description automatically generated with medium confidence

## Update a user (PUT /users/:userid)

### Success Response

A screenshot of a computer

Description automatically generated

### User not found

A screenshot of a computer

Description automatically generated with medium confidence

# Category

## Database

### Table

Graphical user interface

Description automatically generated with medium confidence

### Foreign Keys

No foreign key

## Insert a new category (POST /category)

### Inserted new category (Success Response)

A screenshot of a computer

Description automatically generated

### Category name already exists

A screenshot of a computer

Description automatically generated with medium confidence

## Get all categories (GET /category)

### Got all categories (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

# Products

## Database

### Table

Graphical user interface, text

Description automatically generated

### Foreign Keys

Graphical user interface, text, application, email

Description automatically generated

## Add a new product (POST /product)

### Added new product (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

### Product name already exists

A screenshot of a computer screen

Description automatically generated

## Get all products (GET /product)

### Get all products (Success Response)

A screenshot of a computer screen

Description automatically generated with medium confidence

## Get a product by ID (GET /product/:productid)

### Got a product (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

## Delete a product by ID (DELETE /product/:productid)

### Deleted a product (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

### Product not found

A screenshot of a computer

Description automatically generated with medium confidence

# Reviews

## Database

### Table

Graphical user interface, text

Description automatically generated

### Foreign Keys

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

## Post a new review (POST /product/:productid/review/)

### Review inserted (Success Response)

A screenshot of a computer

Description automatically generated

### Product/User not found

A screenshot of a computer

Description automatically generated with medium confidence

## GET Reviews by Product ID (GET /product/:productid/review)

### Got the review for the product (Success Response)

A screenshot of a computer

Description automatically generated

### Product not found

A screenshot of a computer

Description automatically generated

# Interests

## Database

### Table

Text

Description automatically generated with medium confidence

### Foreign Keys

Graphical user interface, text, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

## Insert new interests for users (POST /interest/:userid)

Inserted interest (Success Response)  
A screenshot of a computer

Description automatically generated with medium confidence

### The interest is not found

A screenshot of a computer

Description automatically generated with medium confidence

## Get interest of a user by their ID (GET /interest/:userid)

### Got interest (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

### User not found

A screenshot of a computer

Description automatically generated with medium confidence

## Get all interests of all users (GET /interest)

### Got all interests of all users (Success Response)

A screenshot of a computer

Description automatically generated

# Images

## Database

### Table

#### product\_images table

Table

Description automatically generated

#### profile\_picture\_images table

Graphical user interface, text

Description automatically generated

### Foreign Keys

#### product\_images table

Graphical user interface, text, email

Description automatically generated

#### profile\_picture\_images table

Graphical user interface, text, application, email

Description automatically generated

## Upload/Update Image for product (POST /product/:productId/image)

### Uploaded images for product (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

### Product not found

A screenshot of a computer

Description automatically generated with medium confidence

### File size is above 1MB

A screenshot of a computer

Description automatically generated with medium confidence

### There are more than 5 files

A screenshot of a computer

Description automatically generated with medium confidence

### “product\_images” field is not found

A screenshot of a computer

Description automatically generated with medium confidence

### File is not png/jpeg

A screenshot of a computer

Description automatically generated with medium confidence

### No file provided

A screenshot of a computer

Description automatically generated with medium confidence

## Insert/Update a user's profile picture (POST /users/:id/image)

### Inserted profile picture for user (which updates the profile\_picture\_url column in users table) (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

### File is not png/jpg

A screenshot of a computer

Description automatically generated with medium confidence

### File size is above 1MB

A screenshot of a computer screen

Description automatically generated with medium confidence

### Selected more than 1 image

A screenshot of a computer screen

Description automatically generated with medium confidence

### No file provided

A screenshot of a computer

Description automatically generated with medium confidence

## Get image by product id (GET /product/:productId/image)

### Got images of a product (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

### Product not found

A screenshot of a computer screen

Description automatically generated with medium confidence

# Discounts

## Database

### Table

#### Discount\_amount table

Graphical user interface, table

Description automatically generated with medium confidence

#### Discount\_dates table

Text

Description automatically generated

#### Discounts table

Table

Description automatically generated with medium confidence

### Foreign Keys

### Discount\_amount table

No foreign key

### Discount\_dates table

No foreign key

### Discounts table

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

## Get all discount amounts (GET /discount)

### Got all discount amounts (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

## Insert a new discount amount (POST /discount/amount)

### Inserted a new discount amount (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

## Get all discounts (GET /discount)

### Got all discounts (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

## Get a discount for a product (GET /discount/:productid)

### Got discounts for the product (Success Response)

A screenshot of a computer

Description automatically generated

### Product or discount not found

A screenshot of a computer

Description automatically generated with medium confidence

## Get all discount dates (GET /discount/dates)

### Got all discount dates (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence

## Insert a new discount date/period (POST /discount/dates)

### Inserted a new discount date/period (Success Response)

A screenshot of a computer

Description automatically generated

## Insert new discount (POST /discount)

### Inserted a new discount (Success Response)

A screenshot of a computer

Description automatically generated

### No discount amount/discount date/product found

A screenshot of a computer

Description automatically generated with medium confidence

## Delete a discount (DELETE /discount/:discount\_id)

### Deleted a discount (Success Response)

A screenshot of a computer

Description automatically generated with medium confidence