

# Backend Documentation

Filename: app.py

Functions -

1. signup()  
Route: /signup  
Method: POST

There are 5 parameters in the JSON sent to this API - first name (**firstName**), last name (**lastName**), email (**email**), contact (**contact**) and password (**password**).

Response -

- a. If there already exists a row in the users table with the same email address, the message returned is "An account with this email already exists".
- b. If there already exists a row in the users table with the same contact information, the message returned is "An account with this contact already exists".
- c. In the case when neither of the above two hold, a new row is created in the users table with the information from the JSON and the message returned is "Added successfully".

2. login()  
Route: /login  
Method: POST

There are 2 parameters in the JSON sent to this API - email (**email**) and password (**password**).

Response -

- a. If the email does not exist in the users table, the message returned is "Please create an account!".
- b. If the email exists, but the password entered is wrong, the message returned is "Invalid credentials!".
- c. If the email and password pair is correct, the message returned is "Logged in successfully".

3. create\_bid()  
Route: /bid/create  
Method: POST

There are 3 parameters in the JSON sent to this API - productId (**prodId**), email (**email**) and amount (**bidAmount**).

From the product table, we find the minimum amount of the bid that the seller had mentioned.

Response -

- a. If the bid amount is less than the minimum amount, the message returned is "Amount is lesser than initial price".
- b. If the bid amount is greater than the minimum amount, the bid is created/updated in the bids table and the message returned is "Saved bid".

4. create\_product()

Route: /create/product

Method: POST

There are 6 parameters in the JSON sent to this API - productName (**productName**), sellerEmail (**sellerEmail**), initialPrice (**initialPrice**), increment (**increment**), photo (**photo**) and description (**description**).

Response -

This API creates a new product in the product table with the aforementioned details and returns the message "Added product successfully".

5. get\_all\_products()

Route: /product/listAll

Method: GET

Response -

It returns the details of all the products that are present in the product table.

6. get\_product\_image()

7. get\_product\_details()

8. update\_product\_details()

9. get\_landing\_page()