***API BLUEPRINT (GROUP 60)***

By: Suvrat Kumra (30089629)

Shreya Patel (30088747)

|  |  |
| --- | --- |
| **ENDPOINT 1** | |
| **DESCRIPTION** | Get the user email address |
| **URL** | <http://localhost:3001/api/login> |
| **METHOD** | GET |
| **INPUT** | email |
| **OUTPUT** | [{  "email": string  }] |

|  |  |
| --- | --- |
| **ENDPOINT 2** | |
| **DESCRIPTION** | Get the user Password |
| **URL** | <http://localhost:3001/api/login> |
| **METHOD** | GET |
| **INPUT** | password |
| **OUTPUT** | [{  "Password": string  }] |

|  |  |
| --- | --- |
| **ENDPOINT 3.1** | |
| **DESCRIPTION** | Check user information and if it is successful |
| **URL** | <http://localhost:3001/api/login> |
| **METHOD** | POST |
| **INPUT** | [{  “email”: string  “password”: string  }] |
| **OUTPUT** | “User Found, redirecting to the store page” |

|  |  |
| --- | --- |
| **ENDPOINT 3.2** | |
| **DESCRIPTION** | Check user information and if it is not successful |
| **URL** | <http://localhost:3001/api/login> |
| **METHOD** | POST |
| **INPUT** | [{  “email”: string  “password”: string  }] |
| **OUTPUT** | “User Email, Password invalid” |

|  |  |
| --- | --- |
| **ENDPOINT 4** | |
| **DESCRIPTION** | Creating a new user who has already registered Email in the database |
| **URL** | <http://localhost:3001/api/>signup |
| **METHOD** | POST |
| **INPUT** | [{  “username”: string  “email”: string  “password”: string  “security-question”: string  “security-answer”: string  }] |
| **OUTPUT** | “User already registered with this Email” |

|  |  |
| --- | --- |
| **ENDPOINT 5** | |
| **DESCRIPTION** | Creating a new user with Email Id not stored in the database. |
| **URL** | http://localhost:3001/api/signup |
| **METHOD** | POST |
| **INPUT** | [{  “username”: string  “email”: string  “password”: string  “security-question”: string  “security-answer”: string  }] |
| **OUTPUT** | “User successfully created” |

|  |  |
| --- | --- |
| **ENDPOINT 6** | |
| **DESCRIPTION** | User forgot their password and entered their email |
| **URL** | http://localhost:3001/api/forgot\_password |
| **METHOD** | POST |
| **INPUT** | [{  “Email”: string  }] |
| **OUTPUT** | [{  “Security\_Question”: string  }] |

|  |  |
| --- | --- |
| **ENDPOINT 7** | |
| **DESCRIPTION** | The answer of user is cross-checked with the database and the answers do not match. |
| **URL** | http://localhost:3001/api/forgot\_password |
| **METHOD** | POST |
| **INPUT** | [{  “answer”: string  }] |
| **OUTPUT** | “The answer to security question is wrong” |

|  |  |
| --- | --- |
| **ENDPOINT 8** | |
| **DESCRIPTION** | The answer of user is cross-checked with the database and the answers matches. |
| **URL** | http://localhost:3001/api/forgot\_password |
| **METHOD** | POST |
| **INPUT** | [{  “answer”: string  }] |
| **OUTPUT** | [{  “message”: string  “Password”: string  }] |

|  |  |
| --- | --- |
| **ENDPOINT 8** | |
| **DESCRIPTION** | Manager tries to sign in and credentials are wrong |
| **URL** | <http://localhost:3001/api/manager_login> |
| **METHOD** | POST |
| **INPUT** | [{  “manager\_email”: string  “password”: string  }] |
| **OUTPUT** | “Authentication failed.” |

|  |  |
| --- | --- |
| **ENDPOINT 9** | |
| **DESCRIPTION** | Manager tries to sign in and credentials are correct |
| **URL** | <http://localhost:3001/api/manager_login> |
| **METHOD** | POST |
| **INPUT** | [{  “manager\_email”: string  “password”: string  }] |
| **OUTPUT** | “Authentication success.” |

|  |  |
| --- | --- |
| **ENDPOINT 10** | |
| **DESCRIPTION** | Customer adding items to the cart |
| **URL** | <http://localhost:3001/api/add_to_cart> |
| **METHOD** | POST |
| **INPUT** | [{  “customer\_id”: int  “company\_name”: string  “product\_name”: string  “department\_id”: int  “price”: float  }] |
| **OUTPUT** | “Added to cart” |

|  |  |
| --- | --- |
| **ENDPOINT 11** | |
| **DESCRIPTION** | Displaying the items in customer’s cart |
| **URL** | <http://localhost:3001/api/get_cart> |
| **METHOD** | GET |
| **INPUT** | [{  “customer\_id”: int  }] |
| **OUTPUT** | [{  “product\_name”: string  “company\_name”: string  “price”: float  }] |

|  |  |
| --- | --- |
| **ENDPOINT 12** | |
| **DESCRIPTION** | Customer incrementing the quantity of items in the cart |
| **URL** | <http://localhost:3001/api/add_to_cart> |
| **METHOD** | POST |
| **INPUT** | [{  “customer\_id”: int  “company\_name”: string  “product\_name”: string  “department\_id”: int  “price”: float  }] |
| **OUTPUT** | “added to cart” |

|  |  |
| --- | --- |
| **ENDPOINT 13** | |
| **DESCRIPTION** | Customer decrementing the quantity of items in the cart |
| **URL** | <http://localhost:3001/api/add_to_cart> |
| **METHOD** | POST |
| **INPUT** | [{  “customer\_id”: int  “product\_name”: string  “department\_id”: int  “company\_name”: string  “price”: float  }] |
| **OUTPUT** | “removed from cart” |

|  |  |
| --- | --- |
| **ENDPOINT 14** | |
| **DESCRIPTION** | Removing the items from the active cart after customer has paid for the items |
| **URL** | <http://localhost:3001/api/add_to_cart> |
| **METHOD** | POST |
| **INPUT** | [{  “customer\_id”: id  }] |
| **OUTPUT** | “Removed all items from cart with the customer\_id given” |

|  |  |
| --- | --- |
| **ENDPOINT 15** | |
| **DESCRIPTION** | Storing information about transaction. |
| **URL** | <http://localhost:3001/api/transaction_history> |
| **METHOD** | POST |
| **INPUT** | [{  “customer\_id”: int  “history”: date  “payment\_method”: string  “total\_amount”: float  }] |
| **OUTPUT** |  |

|  |  |
| --- | --- |
| **ENDPOINT 16** | |
| **DESCRIPTION** | How many times customer has ordered from the superstore? |
| **URL** | http://localhost:3001/api/my\_orders |
| **METHOD** | GET |
| **INPUT** | [{  “customer\_id”: int  }] |
| **OUTPUT** | [{  “number\_of\_visits”: int  }] |

|  |  |
| --- | --- |
| **ENDPOINT 17** | |
| **DESCRIPTION** | After customer has paid, storing all the items in history table |
| **URL** | http://localhost:3001/api/my\_orders |
| **METHOD** | POST |
| **INPUT** | [{  “number\_of\_visits”: int  “customer\_id”: int  “product\_name”: string  “department\_id”: int  “company\_name”: string  “price”: float  }] |
| **OUTPUT** |  |

|  |  |
| --- | --- |
| **ENDPOINT 18.1** | |
| **DESCRIPTION** | Getting the information of item using search-bar with correct spellings. |
| **URL** | http://localhost:3001/api/products |
| **METHOD** | GET |
| **INPUT** | [{  “name”: string  }] |
| **OUTPUT** | [{  “product\_name”: string  “price”: float  }] |

|  |  |
| --- | --- |
| **ENDPOINT 18.2** | |
| **DESCRIPTION** | Getting the information of item using search-bar with incorrect spellings. |
| **URL** | http://localhost:3001/api/products |
| **METHOD** | GET |
| **INPUT** | [{  “name”: string  }] |
| **OUTPUT** | “Product not found” |

|  |  |
| --- | --- |
| **ENDPOINT 19** | |
| **DESCRIPTION** | Customer wanting to add the item displayed on the search bar in their cart. |
| **URL** | http://localhost:3001/api/add\_to\_cart |
| **METHOD** | POST |
| **INPUT** | [{  “customer\_id”: int  “product\_name”: string  “department\_id”: int  “company\_name”: string  “price”: float  }] |
| **OUTPUT** | “added to cart” |

|  |  |
| --- | --- |
| **ENDPOINT 20** | |
| **DESCRIPTION** | Customer wants to update their password and they provided correct credentials |
| **URL** | <http://localhost:3001/api/account_settings/change_password> |
| **METHOD** | POST |
| **INPUT** | [{  “customer\_email”: string  “security\_answer”: string  “password”: string  }] |
| **OUTPUT** | [{  “new\_password”: string  }] |

|  |  |
| --- | --- |
| **ENDPOINT 21** | |
| **DESCRIPTION** | Customer wants to update their password and they provided wrong credentials |
| **URL** | <http://localhost:3001/api/account_settings/change_password> |
| **METHOD** | POST |
| **INPUT** | [{  “customer\_id”: int  “security\_answer”: string  “password”: string  }] |
| **OUTPUT** | “Wrong credentials” |

|  |  |
| --- | --- |
| **ENDPOINT 22** | |
| **DESCRIPTION** | Get the price of a product |
| **URL** | http://localhost:3001/api/products |
| **METHOD** | GET |
| **INPUT** | [{  “company\_name”: string  “product\_name”: string  }] |
| **OUTPUT** | [{  “price”: float  }] |

|  |  |
| --- | --- |
| **ENDPOINT 23** | |
| **DESCRIPTION** | Get the quantity of a product |
| **URL** | http://localhost:3001/api/products |
| **METHOD** | GET |
| **INPUT** | [{  “company\_name”: string  “product\_name”: string  }] |
| **OUTPUT** | [{  “quantity”: int  }] |

|  |  |
| --- | --- |
| **ENDPOINT 24.1** | |
| **DESCRIPTION** | Ordering products from warehouse if quantity specified is available |
| **URL** | http://localhost:3001/api/manager/warehouse |
| **METHOD** | POST |
| **INPUT** | [{  “company\_name”: string  “product\_name”: string  “quantity\_to\_order”: int  }] |
| **OUTPUT** | “ordered” |

|  |  |
| --- | --- |
| **ENDPOINT 24.2** | |
| **DESCRIPTION** | Ordering products from warehouse if quantity specified is not available |
| **URL** | http://localhost:3001/api/manager/warehouse |
| **METHOD** | POST |
| **INPUT** | [{  “company\_name”: string  “product\_name”: string  “quantity\_to\_order”: int  }] |
| **OUTPUT** | “Quantity specified is not available at the warehouse” |

|  |  |
| --- | --- |
| **ENDPOINT 25** | |
| **DESCRIPTION** | Get the quantity of a product from warehouse |
| **URL** | http://localhost:3001/api/manager/warehouse |
| **METHOD** | GET |
| **INPUT** | [{  “company\_name”: string  “product\_name”: string  }] |
| **OUTPUT** | [{  “quantity”: int  }] |

|  |  |
| --- | --- |
| **ENDPOINT 26** | |
| **DESCRIPTION** | Updating the price of a product |
| **URL** | http://localhost:3001/api/products |
| **METHOD** | POST |
| **INPUT** | [{  “company\_name”: string  “product\_name”: string  “price”: float  }] |
| **OUTPUT** |  |