**Login**

Url: *login.php?name=??&password=??*

Name: required

Password: required

Response:

{"state": true} => Login Successful

{"state": false} => Incorrect name or password

**User Permissions**

Url: *permissions.php?name=??*

Name: required

Response:

{"sell":true,…etc } => Successful

{"state": false} => Incorrect name

**Get Sellers**

Url: *get\_sellers.php?name=???&password=????*

Password: required

Name: required

Response:

Data

No Matching Records found

{"state": false} => error

Empty => Error Login or Permisssion

**Add Seller**

Url: *add\_seller.php?name=???&password=???&seller=???&type=???&create\_date=???*

Name: required

Password: required

Seller: required

Type: required

Create\_date: required (y.m.d)

Response:

{"sell":true} => Successful

{"state": false} => error

{"state": exist} => error

**Del Seller**

Url: *sel\_seller.php?name=???&password=???&seller=???*

Name: required

Password: required

Seller: required

Response:

{"sell":true} => Successful

{"state": false} => error

{"state": exist} => error

**Buy Products**

Url: *buy\_products.php?* *name=?&password=?&seller=?&data=?*

Name: required

Password: required

Seller: required

Data: required

Data Sample: {"date": "", "last\_edit\_date": "12-9-2020", "total\_price": "1000", "paid": "500" , state: "opened", "products": [

{"name": "rtx23","serial": "123123131","gurantee": "", "client": ""}

]}

Response:

{"sell":true} => Successful

{"state": false} => error

**Edit row**

Url: *edit\_seller.php?name=?&password=?&seller=?&new\_data={}&index=0*

Name: required

Password: required

Seller: required

Data: required

Index: required

Data Sample: {"date": "", "last\_edit\_date": "12-9-2020", "total\_price": "1000", "paid": "500" , state: "opened", "products": [

{"name": "rtx23","serial": "123123131","gurantee": "", "client": ""}

]}

Response:

{"sell":true} => Successful

{"state": false} => error

**Scan by code**

Url: *search\_by\_code.php?name=?&password=?&serial=?*

Name: required

Password: required

Serial: required

Response:

{"sell": “Not found”}

{"state": false} => error

{} => data

**Scan by name**

Url: *search\_by\_name.php?name=?&password=?&product\_name=?*

Name: required

Password: required

Product-name: required

Response:

{"sell": “Not found”}

{"state": false} => error

{} => data

**Edit category price**

Url: *edit\_category\_price?name=?&password=?&product\_name=?&price=?&customer\_price=?&*

Name: required

Password: required

Product-name: required

Price: required

Customer\_price: required

Response:

{"sell": “Not found”}

{"state": false} => error

{} => data

**Edit product price**

Url: *edit\_product\_price?name=?&password=?&product\_name=?&price=?&customer\_price=?&*

Name: required

Password: required

Product-name: required

Price: required

Customer\_price: required

Response:

{"sell": “Not found”}

{"state": false} => error

{} => data

**Delete Product**

Url: *del\_product?name=?&password=?&product\_code=*

Name: required

Password: required

Product-name: code

Response:

{"sell": “Not found”}

{"state": false} => error

{} => data

**Add Product**

Url:*add\_product.php?name=?&password=?&products=*

Products: required

Response:

{"state": false} => error

{“state”: true}

{} => data

I am writing to express my strong interest in joining STEM Computer Science Club. My name is Hazem and I am currently in grade. I started learning programming last year and I've dived into programming, especially in embedded systems. This showed me the importance of keeping code simple due to small microcontroller possibilities and limited memory capacity.

Recognizing the significance of algorithms and data structures in optimizing code efficiency and resource management, I'm excited to expand my knowledge about these topics. What really excites me about the STEM Computer Science Club is the opportunity to learn from experienced senior mentors. Their advice, combined with my determination, will definitely help me develop as a programmer.

**Algorithms are a sequence of actions where the main goal is to solve the problem. They're like recipes for tasks. These algorithms are really helpful in real-life projects because they can make complex tasks go faster.**

**Imagine you want to buy food from a store and There are three different routes you can take: the highway (it's a long and dangerous road), the bus (fast and safe but you have to pay), or riding a bike (slow, safe and do not have to pay). You have many choices and you have to choose the best one. So, when people choose the right algorithm for a project, it's like choosing the best method to get things done faster and more efficiently.**

**I want to excel in Algorithms and Data Structures to be able to do things faster and more efficiently. I want to learn different data structures like Linked List, Stack, Queue, Tree, and Heap. etc. I want to be able to confidently implement sorting, searching, and graph algorithms, and comprehend how to choose the right data structure for various scenarios. Algorithms and Data structures are responsible for hiring in big companies like Space X which is my goal. The BootCamp aligns perfectly with my aspirations, providing a structured path to achieve these objectives and secure a solid foundation for a successful future in the tech industry.**

**I'm interested in joining the STEM Computer Science Club because I want to learn about Machine Learning. I am interested in how machines can learn and do cool things. I want to use Machine Learning to help people. Being part of the club seems like a great way to start learning to understand the concepts of Machine Learning.**

**I want to join the STEM Computer Science Club because I am interested in programming and making tasks easier by automating them. I want to the learn all basics and concepts that can help me learn any track easily after the club. I want to learn how to code solve problems and create useful software. Learning programming might be a complex challenge but I am certain that the mentors will help us a lot.**

**Programming is giving instructions to a computer so it knows what to do. Imagine you're telling a friend how to make a cake. You will write each step in a line with a special language, like getting the flour and eggs. and so on. Similarly, in programming, you write these instructions in a special language that computers understand. It is like being a chef for computers! On the other hand,** **Computer Science is like exploring the brains of computers. It is about understanding how they think and finding smart ways to make them solve complex problems and do cool things.**

**Problem-solving in coding projects involves breaking down big complex challenges into smaller ones which will make it easier to understand, then start by understanding the problem deeply, and defining what needs to be achieved. Then, plan a logical sequence of actions. It's like cooking: gather ingredients (information), follow a recipe (algorithm), and adapt if needed.**