-Get all phones along with their details

HTTP Request Type	GET
URL	http://localhost:8080/getallphones

Body	[
	  {
	    "prod_id": "19900000202",
	    "screen_size": "1.3",
	    "model": "TT23",
	    "price": 50,
	    "comments": [],
	    "brand": {
	      "name": "Apple",
	      "description": "Hello apple",
	      "products": [
	        {
	          "prod_id": "1000000202",
	          "screen_size": "2.4",
	          "model": "XX23",
	          "price": 123,
	          "comments": [],
	          "brand": "Apple",
	          "product_feature": [],
	          "memory": 16,
	          "processor": "Intel",
	          "screen_resolution": "4",
	          "storage_capacity": 512
	        },
	        "19900000202",
	        {
	          "prod_id": "19900010202",
	          "screen_size": "1.3",
	          "model": "TT24",
	          "price": 50,
	          "comments": [],
	          "brand": "Apple",
	          "product_feature": [],
	          "internal_memory": 64
	        }
	      ]
	    },
	    "product_feature": [],

	``
	      "internal_memory": 0
	    },
	    "19900010202"
	]
	``

Response	

- Get all computers along with their details

HTTP Request Type	GET
URL	http://localhost:8080/getallcomputers

Body	```
	[
	  {
	    "prod_id": "0",
	    "screen_size": "0.0",
	    "model": null,
	    "price": 0,
	    "comments": [],
	    "brand": null,
	    "product_feature": [],
	    "memory": 0,
	    "processor": null,
	    "screen_resolution": null,
	    "storage_capacity": 0
	  },
	  {
	    "prod_id": "1000000202",
	    "screen_size": "2.4",
	    "model": "XX23",
	    "price": 123,
	    "comments": [],
	    "brand": {
	      "name": "Apple",
	      "description": "Hello apple",
	      "products": [
	        "1000000202",
	        {
	          "prod_id": "19900000202",
	          "screen_size": "1.3",
	          "model": "TT23",
	          "price": 50,
	``

```
                    "comments": [],
                    "brand": "Apple",
                    "product_feature": [],
                    "internal_memory": 0
                },
                {
                    "prod_id": "19900010202",
                    "screen_size": "1.3",
                    "model": "TT24",
                    "price": 50,
                    "comments": [],
                    "brand": "Apple",
                    "product_feature": [],
                    "internal_memory": 64
                }
            ]
        },
        "product_feature": [],
        "memory": 16,
        "processor": "Intel",
        "screen_resolution": "4",
        "storage_capacity": 512
    }
]
```

Response	

-Get a specific computer with its identifier

HTTP Request Type	GET
URL	http://localhost:8080/getcomputer/1000000202

Body	{
	    "prod_id": "1000000202",
	    "screen_size": "2.4",
	    "model": "XX23",
	    "price": 123,
	    "comments": [],
	    "brand": {
	        "name": "Apple",
	        "description": "Hello apple",
	        "products": [

```
        "1000000202",
        {
            "prod_id": "19900000202",
            "screen_size": "1.3",
            "model": "TT23",
            "price": 50,
            "comments": [],
            "brand": "Apple",
            "product_feature": [],
            "internal_memory": 0
        },
        {
            "prod_id": "19900010202",
            "screen_size": "1.3",
            "model": "TT24",
            "price": 50,
            "comments": [],
            "brand": "Apple",
            "product_feature": [],
            "internal_memory": 64
        }
    ]
    },
    "product_feature": [],
    "memory": 16,
    "processor": "Intel",
    "screen_resolution": "4",
    "storage_capacity": 512
}
```

Response	

-Get a specific phone with its identifier

HTTP Request Type	GET
URL	http://localhost:8080/getphone/19900010202
| Body | ```json
{
    "prod_id": "19900010202",
    "screen_size": "1.3",
    "model": "TT24",
    "price": 50,
    "comments": [],
    "brand": {
        "name": "Apple",
        "description": "Hello apple",
        "products": [
            {
                "prod_id": "1000000202",
                "screen_size": "2.4",
                "model": "XX23",
                "price": 123,
                "comments": [],
                "brand": "Apple",
                "product_feature": [],
                "memory": 16,
                "processor": "Intel",
                "screen_resolution": "4",
                "storage_capacity": 512
            },
            {
                "prod_id": "19900000202",
                "screen_size": "1.3",
                "model": "TT23",
                "price": 50,
                "comments": [],
                "brand": "Apple",
                "product_feature": [],
                "internal_memory": 0
            },
            "19900010202"
        ]
    },
    "product_feature": [],
    "internal_memory": 64
}
``` |

Response	

-Get all phones from a particular brand along with their details

HTTP Request Type	GET
URL	http://localhost:8080/getallphonesbybrand/Apple
| Body | ```
[
  {
    "prod_id": "19900000202",
    "screen_size": "1.3",
    "model": "TT23",
    "price": 50,
    "comments": [],
    "brand": {
      "name": "Apple",
      "description": "Hello apple",
      "products": [
        {
          "prod_id": "1000000202",
          "screen_size": "2.4",
          "model": "XX23",
          "price": 123,
          "comments": [],
          "brand": "Apple",
          "product_feature": [],
          "memory": 16,
          "processor": "Intel",
          "screen_resolution": "4",
          "storage_capacity": 512
        },
        "19900000202",
        {
          "prod_id": "19900010202",
          "screen_size": "1.3",
``` |

```json
                                    "model": "TT24",
                                    "price": 50,
                                    "comments": [],
                                    "brand": "Apple",
                                    "product_feature": [],
                                    "internal_memory": 64
                                }
                            ]
                        },
                        "product_feature": [],
                        "internal_memory": 0
                    },
                    "19900010202"
                ]
```

Response	

-Get all computers from a particular brand along with their details

HTTP Request Type	GET
URL	http://localhost:8080/getallcomputersbybrand/Apple

Body	```json
	[
	    {
	        "prod_id": "1000000202",
	        "screen_size": "2.4",
	        "model": "XX23",
	        "price": 123,
	        "comments": [],
	        "brand": {
	            "name": "Apple",
	            "description": "Hello apple",
	            "products": [
	                "1000000202",
	                {
	                    "prod_id": "19900000202",
	                    "screen_size": "1.3",
	                    "model": "TT23",
	                    "price": 50,
	                    "comments": [],
	                    "brand": "Apple",
	                    "product_feature": [],
	                    "internal_memory": 0
	``

<table>
<tr><td></td><td>

```
            },
            {
                "prod_id": "19900010202",
                "screen_size": "1.3",
                "model": "TT24",
                "price": 50,
                "comments": [],
                "brand": "Apple",
                "product_feature": [],
                "internal_memory": 64
            }
        ]
    },
    "product_feature": [],
    "memory": 16,
    "processor": "Intel",
    "screen_resolution": "4",
    "storage_capacity": 512
    }
]
```

</td></tr>
<tr><td>Response</td><td></td></tr>
</table>

-Get all phones by search criteria Screen_Size and Brand

<table>
<tr><td>HTTP Request Type</td><td>GET</td></tr>
<tr><td>URL</td><td>http://localhost:8080/getallphonesbycriteria/1.3/Apple</td></tr>
<tr><td>Body</td><td>

```
[
    {
        "prod_id": "19900000202",
        "screen_size": "1.3",
        "model": "TT23",
        "price": 50,
        "comments": [],
        "brand": {
            "name": "Apple",
            "description": "Hello apple",
            "products": [
```

</td></tr>
</table>

```json
                        {
                            "prod_id": "1000000202",
                            "screen_size": "2.4",
                            "model": "XX23",
                            "price": 123,
                            "comments": [],
                            "brand": "Apple",
                            "product_feature": [],
                            "memory": 16,
                            "processor": "Intel",
                            "screen_resolution": "4",
                            "storage_capacity": 512
                        },
                        "19900000202",
                        {
                            "prod_id": "19900010202",
                            "screen_size": "1.3",
                            "model": "TT24",
                            "price": 50,
                            "comments": [],
                            "brand": "Apple",
                            "product_feature": [],
                            "internal_memory": 64
                        }
                    ]
                },
                "product_feature": [],
                "internal_memory": 0
            },
            "19900010202"
        ]
```

Response	

-Get all computers by search criteria Screen_Size and Brand

HTTP Request Type	GET
URL	http://localhost:8080/getallcomputersbyscreensizeandbrand/2.4/Apple

Body	`[`
	`    {`
	`        "prod_id": "1000000202",`
	`        "screen_size": "2.4",`

```json
          "model": "XX23",
          "price": 123,
          "comments": [],
          "brand": {
            "name": "Apple",
            "description": "Hello apple",
            "products": [
              "1000000202",
              {
                "prod_id": "19900000202",
                "screen_size": "1.3",
                "model": "TT23",
                "price": 50,
                "comments": [],
                "brand": "Apple",
                "product_feature": [],
                "internal_memory": 0
              },
              {
                "prod_id": "19900010202",
                "screen_size": "1.3",
                "model": "TT24",
                "price": 50,
                "comments": [],
                "brand": "Apple",
                "product_feature": [],
                "internal_memory": 64
              }
            ]
          },
          "product_feature": [],
          "memory": 16,
          "processor": "Intel",
          "screen_resolution": "4",
          "storage_capacity": 512
        }
    ]
```

Response	