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| --- | --- | --- |
| **Description** | **Method + Path**  path is alwayshttp://localhost:8085/ | **Request/Response** |
| Get Store Statistics (displayed on home page - right hand side) | GET | **Request** **{**store**}**    **Response {**  status:”ok”,  content {"**numberProducts**":70,"**numberOrders**":45}  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error",  content: error message  **}** |
| Check if user (customer or administrator) Logged in  Need to know what to display on home page  If logged in user found  Response object contains **customerInfo** object | GET | **Request {**login**}**  **Response** (no logged in user found) **{**  status: "ok",  content: {**cookie**:{**originalMaxAge**: null, **expires**: null, **httpOnly**: true,  **path**: "/"}  **}**  **Response** (logged in user found) **{**  status: "ok",  content:{"**cookie**":{"**originalMaxAge**":null,"**expires**":null, "**httpOnly**":true,"**path**":"/"},  "**customerInfo**":**{**"**teudatZehut**":1,  "**firstName**":"Donald",  "**lastName**":"Trump",  "**email**":"1",  "**password**":"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*",  "**street**":"Brookside Road 32",  "**city**":"Houston",  "**role**":"customer"**}**}  **}** |
| Login – send login data (**loginInfo** object) to server.  If customer/admin found with **loginInfo** save customer/admin data in  **customerInfo** object in server session. | POST | **Request** **{**login,  **loginInfo:** {"email":"1@gmail.com","passWord":"1"}  **}**  **Response** (customer/admin found with login data) **{**  status:"ok",  content: {"**teudatZehut**":313646010,  "**firstName**":"Judith",  "**lastName**":"Ilson",  "**email**":"judithguttmann@gmail.com",  "**password**":"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*",  "**street**":"Hakablan 69 apt # 2",  "**city**":"Jerusalem",  "**role**":"admin"}  **}**  **Response** (no customer/admin found with login data) **{**  status:"noSuchCustomer", content:""  **}**  **Response** (error occurred on server – entry written to error log) **{**  status: "error", content: error message  **}** |
| Logout – destroy customerInfo session object on server | DELETE | **Request** **{**login**}**  **Response {**  status: "ok", content: ""  **}** |
| Get all categories – used to fill combo box in product update panel/controller | GET | **Request** **{**category**}**  **Response {**  **{**status: "ok",  content: {value: 1, text: "Bakery"},  {value: 2, text: "Chocolates & Sweets"},  {value: 3, text: "Vegetables & Fruits"} … **]}**  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error",  content: error message  **}** |
| Get all products  Request source parameter  used to determine what kind of illegal access to product data was attempted if person accessing product data is not logged in (i.e no **customerInfo** object found in session on server) | GET | **Request {** product,  **Source=**/products **or Source=**/shop  **}**  **Response {**  status:"ok",  content:**[**  {"**id**":1,"**name**":"diet coke can","**category**":18,"**price**":0.49},  {"**id**":2,"**name**":"Doritos","**category**":19,"**price**":0.89},  {"**id**":3,"**name**":"dried apricots","**category**":16,"**price**":13.95},  {"**id**":4,"**name**":"eggplant","**category**":16,"**price**":6.75},  {"**id**":5,"**name**":"eggs","**category**":15,"**price**":4.99}**]**  **}**  **Response** (attempt to access product data without being logged in) **{**  status:"forbiddenAccessAttempted", content:""  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error",  content: error message  **}** |
| Create new product | POST | **Request {** product,  **id**: value-from-client-is-undefined,  **name**: pizza,  **category**: 1,  **price**: 6.99,  **productImage**; filename="38.png"  **}**  **Response** (product added successfully) **{**  status:"ok",  content:"product added successfully => new productID: 94"  **}**  **Response** (product data sent to server invalid) **{**  status: "invalid input ",  content: " invalid input => following errors were found: "  product price up to 9999.99 $ required,  product image file extension invalid - valid extensions are: jpg, jpeg,  png or gif  **}**  **Response** (attempt to insert product without being logged in or admin) **{**  status:"forbiddenAccessAttempted",content:""  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error", content: error message  **}** |
| Update existing product | PUT | **Request {** product,  **id**: 94,  **name**: pizza with olives,  **category**: 1,  **price**: 5.99,  **productImage**; filename="38.png"  **}**  **Response** (product updated successfully) **{**  status:"ok",content: "product updated successfully"  **}**  **Response** (product data sent to server invalid) **{**  status: "invalid input",  content:"invalid input => following errors were found:  product category required,  product image larger than 5MB - actual size: 5123456 bytes  **}**  **Response** (attempt to insert product without being logged in or admin) **{**  status:"forbiddenAccessAttempted", content:""  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error",  content: error message  **}** |
| Get last cart info for given customer – last cart = cart with most recent **creationDate** | GET | **Request {** cart,  **teudatZehut**=1  **}**  **Response {**  status:"ok",  content: {"**id**":68,  "**customer**":1,  "**creationDate**":"2018-03-24T21:17:30.000Z",  "**orderDate**":""}  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error",  content: error message  **}** |
| Create cart for customer with no open cart.  Open cart = cart for which no order was submitted **orderDate** = “”.  On successful cart creation id of new cart is returned in content object of server response | POST | **Request {** cart,  **teudatZehut**=5  **}**  **Response {**  status:"ok",  content: **{**"70”**}**  **}**  **Response** (user not logged in attempting to access shopping panel) **{**  status:"forbiddenAccessAttempted", content:""  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error",  content: error message  **}** |
| Get cart items (products) for given cart ID . | GET | **Request {** cartItem,  **cartID**=70  **}**  **Response {**  status:"ok",  content: **[**{"**id**":208,  "**productID**":81,  "**productName**":"french croissant",  "**productPrice**":0.99,  "**quantity**":1,  "**price**":1.99,  "**shoppingCart**":52},  {"**id**":227,  "**productID**":31,  "**productName**":"red wine",  "**productPrice**":26.99,  "**quantity**":2,  "**price**":53.98,  "**shoppingCart**":52},  {"**id**":228,  "**productID**":83,  "**productName**":"farmer's bread",  "**productPrice**":3.19,  "**quantity**":1,  "**price**":3.19,  "**shoppingCart**":52}**]**  **}**  **Response** (user not logged in attempting to access shopping panel) **{**  status:"forbiddenAccessAttempted", content:""  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error", content: error message  **}** |
| Add cart item  On successful cart item creation id of new cart item is returned in content object of server response | POST | **Request {** cartItem,  **cartItem:** {"**id**":0,  "**productID**":36,  "**productName**":"cucumber",  "**productPrice**":0.99,  "**quantity**":3,  "**price**":2.97,  "**shoppingCart**":51}  **}**  **Response {**  status:"ok", content: **{**"269”**}**  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error",  content: error message  **}** |
| Delete specific cart item  On successful cart item deletion number of rows affected (deleted) is returned in content object of server response | DELETE | **Request {** cartItem,  cartItemID=206  **}**  **Response {**  status:"ok", content: **{**"1”**}**  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error", content: error message  **}** |
| Delete all cart items of given cart  On successful cart items deletion number of rows affected (deleted) is returned in content object of server response | DELETE | **Request {** cartItem/all,  cartID=51  **}**  **Response {**  status:"ok", content: **{**"4”**}**  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error", content: error message  **}** |
| Get delivery dates | GET | **Request** **{** order **}**  **Response {**  status:"ok",  content: [{**deliveryDate**: "2018-3-6"},  {**deliveryDate**: "2018-3-7"},  {**deliveryDate**: "2018-3-11"},…]  **}**  **Response** (user not logged in attempting to access order panel) **{**  status:"forbiddenAccessAttempted", content:""  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error", content: error message  **}** |
| Submit (insert) order | POST | **Request** **{** order ,  **order:** {"**customer**":2,  "**shoppingCart**":52,  "**price**":59.16,  "**deliveryCity**":"Houston",  "**deliveryStreet**":"Russel Gardens 7",  "**deliveryDate**":"2018-5-3",  "**ccInfo**":"4147118231234536"}  **}**  **Response** (order submitted successfully) **{**  status:"ok",  content:"order added successfully"  **}**  **Response** (order data sent to server invalid) **{**  status: "invalid input",  content: "invalid input => following errors were found:  city required  3 deliveries already scheduled for delivery date selected  valid credit card required"  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error", content: error message  **}** |
| Get customer with same ID and/or Email  Check for duplicate customer  Response:  duplicateCustomerFound:1  1 = found, 0 = not found | GET | **Request** **{** customer/duplicate,  email=1@gmail.com&id=1  **}**  **Response {**  status:"ok",  content: {"duplicateCustomerFound":1}  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error", content: error message  **}** |
| Add new customer  Sign Up panel | POST | **Request** **{** customer,  **customer:** {"**teudatZehut**":"19",  "**firstName**":"James",  "**lastName**":"Madison",  "**email**":"19@19.com",  "**password**":"19",  "**street**":"Harmony Close 17",  "**city**":"Dallas",  "**role**":"customer"}  **}**  **Response {**  status:"ok",  content: {"**teudatZehut**":"19",  "**firstName**":"James",  "**lastName**":"Madison",  "**email**":"19@19.com",  "**password**":"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*",  "**street**":"Harmony Close 17",  "**city**":"Dallas",  "**role**":"customer"}  **}**  **Response** (new customer data sent to server invalid) **{**  status: "invalid input",  content: "invalid input => following errors were found:  numeric id required  valid email required  street required  customer with same id and/or email already exist(s)"  **}**  **Response** (error occurred on server – entry written to error log) **{**  status:"error", content: error message  **}** |