

### סביבות פיתוח מטלה 3

מגישים: "הלקוחה" אדר עובדיה (305264202) ו"המתכנת" לירון אברהם (201553864)  
בחרנו בחנות לבגדי ים.

| ID | Method                    | HTTP Method | Parameters                                 | Returns           | Explanations   |
|----|---------------------------|-------------|--|-------------------|--|
| 1  | \items\getTopFive         | GET         | -  | Item[5]           | Return the top 5 items. GET- get data without sending information.   |
| 2  | \users\Register           | POST        | Register<br>(פירוט למטה)                   | Bool              | POST- Register a new user – new object therefor unknown URL and sensitive info   |
| 3  | \users\Login              | PUT         | { "userMail": "a",<br>"password": "a"<br>} | User              | Check the credentials and returns a Boolean (true- login was successful. False-fail) and update last the login time – therefor PUT                                       |
| 4  | \users\restorePassword    | GET         | \{userMail}<br>\{firstAns}<br>\{secondAns} | {"password": "a"} | in case the validation process succeeded, the server will return the password, and otherwise it will return null. POST – parameters are being transferred to the server. |
| 5  | \items\getItemsByCategory | GET         | \{CategoryName}                            | Item[]            | Returns all the items in the requested category- GET – this is a fixed URL for get request.  |
| 6  | \items\getAllItems        | GET         | -  | Item[]            | Return the list of the all the items objects in the stock. No need for parameters therefore GET  |
| 7  | \items\getCategories      | GET         | -  | Category[]        | Return all the existing categories. No need for parameters therefore GET   |

|    |                               |      |   |   |   |
|----|-------------------------------|------|---|---|---|
| 8  | \items\<br>getNewItems        | GET  | -   | <b>Item[]</b>   | Return new items from the last month. No need for parameters therefore GET  |
| 9  | \items\<br>showItemInfo       | GET  | \{ItemID}   | <b>Item</b>   | Returns information about a specific item. GET – this is a fixed URL for get request.   |
| 10 | \carts\addToCart              | PUT  | {<br>"itemID": 10,<br>"userMail": "a",<br>"quantity": 10<br>} | <b>Bool</b>   | Update the cart of the user therefor PUT. Return bool : True- success and False-fail  |
| 12 | \carts\getMyCart              | GET  | \{UserMail}   | <b>CartItem[]</b>   | Retrieves the users Cart (contains the list of the items in cart and their quantities)- GET- The parameters attached to the URL |
| 13 | \carts\pay                    | POST | <b>pay</b>  | {<br>"answer":12<br>}<br>(מספר הזמנה)                                   | Send request to send. return Error/Order Details. POST- New record.   |
| 14 | \carts\getMyOrders            | GET  | \{UserMail}   | <b>orderItem[]</b>  | Retrieves the user's previous orders. GET- The parameters attached to the URL   |
| 15 | \users\<br>\getUserCategories | GET  | \{UserMail}   | {<br>"category1":"dd",<br>"category2":"s",<br>"category3":"bikini"<br>} | Retrieves the user's categories from the user record. GET- The parameters attached to the URL                                   |
| 16 | \users\<br>getRecommendations | GET  | \{UserMail}   | <b>Item[]</b>   | Retrieves Recommended items for the user. GET- The parameters attached to the URL   |
| 17 | \items\searchItem             | GET  | \{ItemName}   | <b>Item[]</b>   | Asks for a specific item. GET- The parameters attached to the URL   |
| 18 | \carts\<br>changeCurrency     | POST | {<br>"currency":"USD",<br>"price":20.3<br>}<br>USD or NIS     | {<br>"price":71.62043<br>}  | Changes the currency and returns the new cart price. POST –   |

|    |                          |      |                                     |            |   |
|----|--------------------------|------|-------------------------------------|------------|---|
|    |                          |      |                                     |            | parameters are being transferred to the server.   |
| 19 | \items\getNewItems       | GET  | -                                   | item[]     | Returns all the orders dated in the requested month.<br>GET- The parameters attached to the URL |
| 20 | \items\AddItem           | POST | Item<br>*without id and addDate     | Bool       | True – Success and False – Failure. POST – parameters are being transferred to the server.      |
| 21 | \items\RemoveItem        | PUT  | {"itemID":2}                        | -          | . PUT- delete a known record  |
| 22 | \users\getUsers          | GET  | -                                   | User[]     | Returns all users.<br>GET – this is a fixed URL for get request                                 |
| 23 | \users\removeUser        | PUT  | {"userMail":"a"}                    | -          | True – Success and False – Failure. PUT- delete a known record                                  |
| 24 | \users\changePermissions | PUT  | {"userMail":"a",<br>"permission":0} | Bool       | Update = replacing the old record with the new one. PUT- replace a known record                 |
| 25 | \users\getUserQuestions  | GET  | \{UserMail}                         | Question[] | returns the details of all the items. GET – this is a fixed URL for get request                 |

כל האובייקטים המודגשים בטבלה הם ג'ייסונים והם יראו מהצורה הבאה:

**Item:**

```
{
  "id":12, (הוא לא שולח מספר זה)
  "itemName":"Olivia tanga",
  "size":"XS",
  "color":"blue",
  "manufacturer":"bananahot",
  "price":209,
  "quantity":77,
  "category":"bikinis",
  "addDate":"2017-06-06T00:00:00.000Z", (הוא לא שולח מספר זה)
  (מחושב לבד)
  "image":null,
}
```

**orderItem:**

```
{"orderID":1,"itemID":1,"quantity":2}
```

**Pay:**

```
{  
  "userMail":"a",  
  "deliveryDate":"2017-06-06T00:00:00.000Z",  
  "price":100,  
  "currency":"NIS"  
}
```

**Question:**

```
{"firstQuestion":"adar","secondQuestion":"adar"}
```

**Category:**

```
{"category":"bikinis"}
```

**Bool:**

```
{"success":0} – fail
```

```
{"success":1} – success
```

**User:**

```
{"password":"a",  
"email":"a",  
"lastLogin":"1900-01-03T00:00:00.000Z",  
"country":"israel",  
"firstQuestion":"aaa",  
"firstAnswer":"a",  
"secondQuestion":"a",  
"secondAnswer":"a",  
"permissions":true,  
"firstName":"a",  
"lastName":"a",  
"address":"a",  
"city":"a","phone":"a","cellular":"a","creditCardNumber":"a"}
```

**CartItem:**

```
{"itemID":10,"itemName":"Lollo  
swimsuit","color":"blue","size":"XS","manufacturer":"bananhot","quantity":10,"category":"bikinis","price":  
209,"image":null}
```

**Register:**

```
{"user" :{  
  "userPassword": "c",  
  "email": "c",  
  "country": "israel",  
  "firstQuestion": "adar",  
  "firstAnswer": "adar",  
  "secondQuestion": "adar",  
  "secondAnswer": "adar",  
  "permissions": false,  
  "firstName": "adar",
```

```

"lastName": "adar",
"address": "adar",
"city": "adar",
"phone": "22",
"cellular": "22",
"creditCardNumber": "2"
},
"category": {
  "category1": "dd",
  "category2": "s",
  "category3": "s"}
}

```

## הסברים:

השתמשו בפורט : 8080

בטבלת API – פונקציות מסוג GET יקראו עם הפרמטרים בעמודת הפרמטרים. בשאר הפונק הג'ייסון שבפרמטרים ירשם כמו שהוא (VALUE יכול להשתנות).

בהרשמה משתמש מגדיר 2 שאלות לשחזור הסיסמא וכן 3 קטגוריות מועדפות. עשינו את הבנוס. משתמשים עם permissions: true הם מנהלים ויש להם הרשאות להכל.

## משתמשים:

```

{"password": "adar", "email": "adar", "permissions": false
{"password": "adar", "email": "adarOv", "permissions": false
{"password": "assaf", "email": "assaf", "permissions": false
{"password": "avi", "email": "avi", "permissions": false
{"password": "aviel", "email": "aviel", "permissions": false
{"password": "bar", "email": "bar", "permissions": false
{"password": "c", "email": "c", "permissions": false
{"password": "israel", "email": "israeli", "permissions": false
{"password": "levi", "email": "levi", "permissions": false
{"password": "lola", "email": "lola", "permissions": false
{"password": "mor", "email": "mor", "permissions": false
{"password": "nadav", "email": "nadav", "permissions": false
{"password": "natan", "email": "natan", "permissions": false
{"password": "nurit", "email": "nurit", "permissions": false
{"password": "or", "email": "or", "permissions": false
{"password": "orya", "email": "orya", "permissions": false
{"password": "reut", "email": "reut", "permissions": false
{"password": "ron", "email": "ron", "permissions": false
{"password": "roni", "email": "roni", "permissions": false
{"password": "a", "email": "a", "permissions": true
{"password": "liron", "email": "liron", "permissions": true

```