

אוניברסיטת בן גוריון  
הפקולטה להנדסה  
המחלקה להנדסת מערכות מידע

**סביבות פיתוח באינטרנט – עבודת בית 3, חלק ב'**

מגישים: עידו סולומון ת"ז 308111160  
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## Beers Inc.

המוצר הנבחר - חנות בירות.

<u>ID</u>	<u>Method Name</u>	<u>HTTP Method</u>	<u>Parameters</u>	<u>Returns</u>	<u>Explanations</u>
1	GetHottest5	GET	-	<pre>[ {   "Beer Name": <i>beer_name</i>,   "AlcoholPercentage": <i>perc</i>   "Price": <i>price</i>,   "Volume": <i>volume</i> },... ]</pre>	Using GET because there is no information to deliver to the server or any wish to change any information.
2	Register	POST	<pre>{   "Username": "<i>username</i>",   "Password": "<i>password</i>",   "CountryID": "<i>countryID</i>",   "SecurityQuestions" : [     { "Question" : "<i>question1</i>",       "Answer": "<i>answer1</i>" }, ... ],   "Categories": ["1","2"] }</pre>	<pre>{   "Succeeded": <i>boolean</i>,   "Details": "<i>operation_details</i>" }</pre>	Users make their own password retrieval question Returns a result code as int. Using POST because there are parameters being sent
3	GetCountryList	GET	-	String[]	Gets country data from XML Using GET because there is no information to deliver to the server or any wish to change any information.
4	IsUniqueUsernam	POST	{	{	True = unique

	e		"Username": "username" }	"Ans": <i>boolean</i> , "Details": " <i>operation_details</i> " }	False = already in use Using POST because there are parameters being sent
5	Login	POST	{ "Username": "username". "Password": "password" }	Bool	Login cannot pass in GET True = success False=fail Using POST because there are parameters being sent
6	ForgotPassword	POST	{ "Username": "username" }	[ "Question": "question1" , ... ]	Returns user-created questions Using POST because there are parameters being sent
7	ValidateAnswer	POST	{ "Username": " <i>username</i> ", "Question": " <i>question</i> ", "Answer": " <i>Answer</i> " }	{ "CorrectAnswer": <i>boolean</i> , "Password": " <i>password</i> " }	Returns empty string on failure, password string on success Using POST because there are parameters being sent
8	GetNewProducts	GET	-	[ { "Beer Name": <i>beer_name</i> , "AlcoholPercentage": <i>perc</i> "Price": <i>price</i> , "Volume": <i>volume</i> },... ]	Using GET because there is no information to deliver to the server or any wish to change any information.
9	GetLastLoginTime	POST	Cookie	DateTime	Retrieves last login time from server

					Using POST because there are parameters being sent
10	GetRecommended	POST	{ "Username": " <i>username</i> " }	[ { "Beer Name": <i>beer_name</i> , "AlcoholPercentage": <i>perc</i> "Price": <i>price</i> , "Volume": <i>volume</i> },... ]	Recommended items are selected server-side Using POST because there are parameters being sent
11	Search	POST	{ "BeerName" : " <i>BeerName</i> ", "CategoryID" : " <i>CategoryID</i> ", "AlcoholPercentage" : " <i>perc</i> ", "Price" : " <i>Price</i> ", "Volume" : " <i>Volume</i> ", "" : "", }	[ { "Beer Name": <i>beer_name</i> , "AlcoholPercentage": <i>perc</i> "Price": <i>price</i> , "Volume": <i>volume</i> },... ]	Search is done server-side Using POST because there are parameters being sent
12	GetItemDetails	POST	{ "BeerID": <i>beerId</i> }	[ { "Beer Name": <i>beer_name</i> , "AlcoholPercentage": <i>perc</i> "Price": <i>price</i> , "Volume": <i>volume</i> },... ]	ItemDetails expands Item Using POST because there are parameters being sent
13	GetPastOrders	POST	{ "Username": " <i>username</i> " }	[ { "OrderID": , }	Order contains List of Items and other details such as order date and total

			}	"OrderDate":, "ShippingDate": , "Currency":", "Total":, , "Name": , "AlcoholPercentage":., "Price":, "Volume":, "Quantity": } ]	Using POST because there are parameters being sent
14	MakeOrder	POST	{ "Username":username, "Items": [ {"BeerID": beerID, "Quantity": quantity}, {"BeerID": beerID, "Quantity": quantity}, ... ], "OrderDate": orderDate, "ShippingDate": shippingDate, "Currency": "USD", "CreditCard": creditCardNumber }	OrderID	PaymentDetails includes CC number Return a new OrderID on success, -1 on failure Using POST because there are parameters being sent
15	IsInStock	POST	{ "BeerID": <i>beerID</i> , "Quantity": <i>quantiy</i> }	Bool	True = in stock, False = out of stock Using POST because there are parameters being sent

16	GetConversionRate	GET	-	Double	Gets USD to NIS conversion rate (Prices are stored on server in USD) Using GET because there is no information to deliver to the server or any wish to change any information.
17 *	ManagerLogin	POST	{ "Username": " <i>username</i> ". "Password": " <i>password</i> " }	Bool	Login cannot pass in GET True = success False=fail Using POST because there are parameters being sent
18 *	GetOrderReport	POST	OrderID	OrderReport - Not used in this part of the assignment.	Using POST because there are parameters being sent
19 *	UpdateItemDetails	POST	{ "Username": " <i>user</i> ", "CategoryID": <i>CategoryID</i> , "Name": " <i>Name</i> ", "AlcoholPercentage": <i>perce</i> %, "Price": <i>Price</i> , "Volume": <i>Volume</i> }	Bool	ItemDetails expands Item Using POST because there are parameters being sent
20 *	AddItem	POST	{ "Username": " <i>user</i> ", "CategoryID": <i>CategoryID</i> , "Name": " <i>Name</i> ", "AlcoholPercentage": <i>perce</i> %, "Price": <i>Price</i> , "Volume": <i>Volume</i> }	Bool	Using POST because there are parameters being sent

			}		
21 *	RemoveItem	POST	{ "Username":" <i>managerUser</i> ", "BeerID": <i>beerID</i> ,}	Bool	Using POST because there are parameters being sent
22 *	AddUser	POST	{ "Username":" <i>managerUser</i> ", "AddedUsername": " <i>newUser</i> ", "Password": " <i>passowrd</i> ", "CountryID": <i>countryID</i> , "IsManager": <i>true/False</i> }	Bool	User object contains all of a user's attributes Using POST because there are parameters being sent
23 *	RemoveUser	POST	{ "Username": <i>managerUser</i> , "UsernameDel": <i>username</i> , }	Bool	Using POST because there are parameters being sent
24 *	GetInventory	GET	{ "Username": " <i>managerUser</i> ", }	[ { "BeerID": <i>beerID</i> , "Name": " <i>beerName</i> ", "Quantity": <i>quantity</i> },... ]	Int in tuple represents the quantity of the matching item in stock. Using GET because there is no information to deliver to the server or any wish to change any information.
25 *	UpdateInventory	POST	{ "Username": " <i>managerUser</i> ", "BeerID": <i>beerID</i> , "Quantity": <i>quantity</i> }	Bool	Inventory item contains all inventory listings and relevant data Using POST because there are parameters being sent

הערות:

- Cookie בצד לקוח שומר גם מועד התחברות אחרון וסל מוצרים.
- שמות השיטות מכילות את המילה items, כאשר הכוונה היא למוצרים שבחרנו (בירות).

- לקוח: ליאור פרי

קשיים:

- המרת צרכי המערכת לרשימת דרישות קלות להבנה.
- התמקדות בפרטים הקטנים של המערכת, בניגוד ל"תמונה הגדולה".

- מתכנת: עדו סולומון

קשיים:

- פירוק דרישות הלקוח לפונקציות פשוטות.
- קביעת חלוקת הפונקציונאליות בין צד שרת לצד לקוח.