מגישים : 301858676 שי טליאס 201243920 גלעד שמעוני

סביבות פיתוח – עבודה 4

בחרנו לממש חנות למכירת סרטים.

<u>המערכת תשמש ל:</u>

- 1. מכירת סרטים לפי קטגוריות (מתח, אימה, דרמה וכוי).
 - 2. ניהול מאגר משתמשים.
 - .3 מעקב אחר רכישות והזמנות.

למערכת יהיו 3 ממשקים:

- 1. ממשק לקוח (Login + Registration).
 - .2 ממשק מוצרים.
 - .3 ממשק עגלת קניות.

<u>ID</u>	Method Name	HTTP	<u>Parameters</u>	Returns	<u>Explanation</u>
		Method			
1	Login	POST		Bool	This method login to the
			{		system.
			"UserName": , "Password":		Using POST because the
			}		information which sent to
			-		the server is private.
					True = login succeeded.
					False = login failed.
2	Registration	POST		Bool	This method register guests
			{ "UserName": ,		to the system.
			"FirstName": , "LastName": ,		Using POST because the
			"Email": ,		information which sent to
			"Address": , "Country": ,		the server is private and we
			"FavoritCategories": , "IsAdmin": ,		change information in the
			"Password": , "PetsName":		database.
			Petsname: }		True = registration
					succeeded.
					False = registration failed.
3	updateRating	POST	_	Bool	This method update the
			{ "MovieID": ,		rating of an existing movie.
			"Rating":		Using POST because we
			}		change information in the
					database.
					True = success.
					False = fail.
4	getAllProducts	GET	-	Return all products:	This method return all
				[{"MovieID": ,	movies.
				"MovieName": ,	Using GET because there is
				"MovieCategory": ,	no information to deliver to
				"MovieDirector": ,	the server or any wish to
				"Price": ,	change any information.
				"Month": ,	
				"Year": ,	
				"AmountInStock": ,	
				"Rating":	
				}, 1	
				1	

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5	getAllCategories	GET	-	Return all Movie's	This method return all
	5 5			Categories:	movie's categories.
				[{"CategoryName": },	Using GET because there is
				{"CategoryName": },	no information to deliver to
					the server or any wish to
				1	change any information.
6	getAllCountires	GET	_	Return All Countries:	This method return all
	864 664	0 2.		{ "ID": ,	countries.
				"Name":	Using GET because there is
				},	no information to deliver to
				, ,,	the server or any wish to
					change any information.
7	getTop5HotProducts	GET	_	Returns top 5 hottest	This method return the top
,	getroporioti roddets	GLI		products (by rating) :	5 hottest products.
				[{"MovieID": ,	Using GET because there is
				"MovieName": ,	no information to deliver to
				"MovieCategory": ,	the server or any wish to
				"MovieDirector": ,	change any information.
				"Price": ,	change any information.
				"Month": ,	
				"Year": ,	
				·	
				"AmountInStock": ,	
				"Rating":	
				},	
8	answerPersonalQuesti	POST	UserName, Address,	Bool	This method send answers
	ons		PetName		to the server.
					Using POST because the
					information which sent to
					the server is private.
					True = success.
					False = fail.
9	resetPassword	POST	Username,	Bool	This method reset user's
			NewPassword,		password.
			ConfirmPassword		Using POST because the
					information which sent to
					the server is private.
					True = success.
					False = fail.
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10	getLatestMonthlyProd	GET	-	Return all movies from the	This method return all new
	ucts			last month:	products from the last
				[{"MovieName": , }]	month.
					Using GET because there is
					no information to deliver to
					the server or any wish to
					change any information.
11	getProductsByCategor	GET	-	Return product and his	This Method return a list of
	у			category:	products by categories.
				[{"MovieName": ,	Using GET because there is
				"MovieCategory": ,	no information to deliver to
				},	the server or any wish to
]	change any information.
12	RecommendedProduc	GET	UserName	[{ "MovieName": , }]	This Method return a list of
	tsForUser				recommended products for
					the specific user.
					Using GET because the
					information which sent to
					the server is not private.
12	getProductDetails	GET	MovielD	Return movie details:	This Method return the
				[{"MovieID": ,	product's details.
				"MovieName": ,	Using GET because the
				"MovieCategory": ,	information which sent to
				"MovieDirector": ,	the server is not private and
				"Price": ,	we don't change
				"Month": ,	information in the database.
				"Year": ,	
				"AmountInStock": ,	
				"Rating":	
				}]	
13	addProductToCart	POST	{ "UserName": ,	Bool	This Method add product to
			"MovieID": ,		cart.
			"Amount":		Using POST because there is
			}		information to deliver to the
					server and we wish to
					change information in the
			_		database.
14	removeProductFromC	DELETE	{ "UserName": ,	Bool	This Method remove
	art		"MovieID":		product from cart.
			}		

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15	showCart	GET	UserName	Return user's cart with the	Using DELETE because the product is being deleted from user's cart. This Method return the
				following fields: [{"Movield": , "MovieName": , "Amount": , "Price": },]	current products in cart. Using GET because the information which sent to the server is not private and we don't change information in the database.
16	getMyOrders	GET	UserName	Return user's orders with the following fields: [{"OrdreID": , "OrderDate": , "ShipmentDate": , "TotalAmount": , "TotalPrice": },]	This Method return all orders history. Using GET because the information which sent to the server is not private and we don't change information in the database.
17	Purchase	POST	UserName, CreditNum, ShipmentDate	Bool	This method add record to Orders Table and remove this record from Cart Table. Using POST because the information which sent to the server is private and we change information in the database. True = success False = fail
18	checkInStock	GET	MovieID	Bool	This method checks if the product exists in stock. Using GET because the information which sent to the server is not private and we don't change information in the database. True = success False = fail

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19	getAllUsers	GET	-	Return all users:	This method return list of
				[{"UserName": ,	users.
				"FirstName": ,	Using GET because there is
				"LastName": ,	no information to deliver to
				"Email": ,	the server or any wish to
				"Address": ,	change any information.
				"Country": ,	
				"FavoriteCategories": ,	
				"isAdmin": ,	
				"PetName":	
				},	
]	
20	checkIsAdmin	GET	UserName	Bool	This method checks by the
					current login, if the user is
					Admin.
					Using GET because the
					information which sent to
					the server is not private.
					True = user is admin.
					False = user is not admin.
21	getOrdersReport	GET	-	[{	This method return the
	0 1			"OrderID":,	order reports.
				"UserName":,	Using GET because there is
				"OrderDate":,	no information to deliver to
				"ShipmentDate":,	the server or any wish to
				"TotalAmount":,	change any information.
				"TotalPrice":	l silange any managan
				}]	
22	editProductDetails	PUT	movieID, Price,	Bool	This method change the
	הערה: המשתמש חייב		AmountInStock,	200.	product details.
	להזין את כל הפרמטרים. לה		Rating		Using PUT because we
	גם אם ישנם שדות שהוא		rating.		updating existing resource.
	לא שינה.				updating existing resource.
23	getUser	GET	UserName	Return specific user:	This method return specific
	-			[{"UserName": ,	user details.
				"FirstName": ,	Using GET because the
				"LastName": ,	information which sent to
				"Email": ,	the server is not private and
				"Address": ,	we don't change
				"Country": ,	information in the database.
				"FavoriteCategories": ,	and the database.
				"isAdmin": ,	
				isauiiiii . ,	

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				"PetName":	
				}]	
24	removeUser	DELETE	UserName	Bool	This method remove user
	(Only admins)				from the system.
					Using DELETE because the
					user is being deleted from
					Users' table.
					True = success
					False = fail
25	addProductToStock	POST	{ "MovieName": ,	Bool	This method return the
			"MovieCategory": ,		updated stock by the
			"MovieDirector": , "Price": ,		product.
			"Month": ,		Using POST because there is
			"Year": , "AmountInStock": ,		information to deliver to the
			"Rating":		server and we wish to
			}	I	change information in the
					database.
26	removeProductFromS	DELETE	MovielD	Bool	This method remove
	tock				product from the stock.
					Using DELETE because the
					product is being deleted
					from Products' table.
					True = success.
					False = fail.
27	checkAmountInStock	GET	-	Return the amount of each	This method return the
				movie in stock:	amount of each movie in
				[{"MovieID": ,	stock.
				"MovieName": ,	Using GET because there is
				"AmountInStock":	no information to deliver to
				},	the server or any wish to
]	change any information.