

Projektname: The Wallstreet Wizzard – Demo Brocker

Anhang REST API Documentation

Verfasser*innen:

Marko Robert Szönyi, Arvid Harang, Lennart Pfeiler

Studiengang Wirtschaftsinformatik

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Matrikelnummern:

2045018

3959770

6667860

Kurs: WI23A

E-Mails:

mar.szoenyi.23@lehre.mosbach.dhbw.de,

arv.harang.23@lehre.mosbach.dhbw.de,

len.pfeiler.23@lehre.mosbach.dhbw.de

Studiengangsleiter: Prof. Dr. Christoph Sturm

/auth

Method	Endpoint	Description	Data In	Data Out
POST	/auth	Login	{ "email": "UserEmail", "password": "UserPassword" }	200 { "token": "TestToken", "user": { "firstname": "UserFirstname", "lastname": "UserLastname", "email": "UserEmail", "password": "UserPassword", "budget": 5000.0 } } 400 {"answer": "Please register first!"} 401 {"answer": "Incorrect email or password!"} 500 {"answer": "An unexpected error occurred during login."}
DELETE	/user	Logout	{ "email": "UserEmail", "token": "TestToken" }	200 {"answer": "Logout successfully!"} 401 {"answer": "Unauthorized for this logout!"} 500 {"answer": "An unexpected error occurred during registration."}

/user

Method	Endpoint	Description	Data In	Data Out
GET	/user	Get an user profile	?email=UserEmail&token=TestToken	200 { "firstname": "UserFirstname", "lastname": "UserLastname", "email": "UserEmail", "password": "UserPassword", "budget": 5000.0 } 401 { "answer": "Unauthorized for this transaction!" } 404 { "answer": "Please register first!" } 500 { "answer": "An unexpected error occurred while fetching user data." }
POST	/user	Create a new user profile	{ "firstname": "UserFirstname", "lastname": "UserLastname", "email": "UserEmail", "password": "UserPassword", "budget": 5000.0 } }	200 { "answer": "User successfully registered!" } 409 { "answer": "You are already registered!" } 500 { "answer": "An unexpected error occurred while creating the profile." }

PUT	/user	Edit an user profile	{ "token": "TestToken", "currentmail": "UserEmail", "user": { "firstname": "NewFirstname", "lastname": "NewLastname", "email": "NewEmail", "password": "UserPassword", "budget": 2000.0 } }	200 { "firstname": " NewFirstname ", "lastname": " NewLastname ", "email": " NewEmail ", "password": "UserPassword", "budget": 7000.0 } 401 { "answer": "Unauthorized for this transaction!" } 409 { "answer": "This email is already registered!" } 500 { "answer": "An unexpected error occurred during editing user." }
PUT	/user/reset	Reset an user profile	{ "email": "UserEmail", "token": "TestToken" }	200 { "answer": "User successfully resetted!" } 401 { "answer": "Unauthorized for this transaction!" } 500 { "answer": "An unexpected error occurred during resetting." }
DELETE	/user	Delete an user profile	{ "email": "UserEmail", "token": "TestToken" }	200 { "answer": "Profile successfully deleted!" } 401 { "answer": "Unauthorized for this transaction!" }

				500 {“answer”: “An unexpected error occurred during resetting.”}
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/stock

Method	Endpoint	Description	Data In	Data Out
GET	/stock	Get a stock from the database	?email=UserEmail& token=TestToken& symbol=SAP	200 { "symbol": "SAP", "stockprice": 0, "name": "SAP SE" } 400 { "answer": "Please register first!" } 401 { "answer": "Incorrect email or password!" } 500 { "answer": "An unexpected error occurred during login." }
POST	/stock	Add a stock to the database	{ "tokenemail": { "email": "UserEmail", "token": "TestToken" }, "stock": { "symbol": "SAP", "stockprice": 0, "name": "SAP SE" } }	200 { "answer": "Stock got added to database" } 401 { "answer": "Unauthorized for this logout!" } 500 { "answer": "An unexpected error occurred during adding stock to database." }

/portfolioStock

Method	Endpoint	Description	Data In	Data Out
GET	/portfolio Stock	Get a stock from an user portfolio	?email=UserEmail& token=TestToken& symbol=SAP	200 { "portfolioid": 1, "symbol": "SAP", "stockamount": 5, "boughtvalue": 1107.25, "currentvalue": 1174.98 } 401 { "answer": "Unauthorized for this transaction." } 404 { "answer": "You don't have this stock in your portfolio!" } 500 { "answer": "An unexpected error occurred during getting portfolioStocks." }
GET	/portfolio Stocks	Get all stocks from an user portfolio	?email=UserEmail& token=TestToken& sortby=date	200 [{ "portfolioid": 1, "symbol": "AAPL", "stockamount": 17.33402669440111, "boughtvalue": 4000, "currentvalue": 3996.71 }, {

				<p>“portfolioid”: 1, “symbol”: “SAP”, “stockamount”: 5, “boughtvalue”: 1107.25, “currentvalue”: 1174.98 }, ...]</p> <p>401 {“answer”: “Unauthorized for this logout!”}</p> <p>500 {“answer”: “An unexpected error occurred during getting all user portfolioStocks.”}</p>
PUT	/portfolioStocks/currentValue	Edit the currentValue of a user portfolioStock	{ “email”: “UserEmail”, “token”: “TestToken”, “symbol”: “SAP”, “newValue”: 1203.47 }	<p>200 {“answer”: “Current Value successfully updated!”}</p> <p>401 {“answer”: “Unauthorized for this transaction!”}</p> <p>500 {“answer”: “An unexpected error occurred during updating current value of stock.”}</p>

/transactions

Method	Endpoint	Description	Data In	Data Out
GET	/transactions	Get all transactions from an user	?email=UserEmail&token=TestToken&sortby=date	<div>200</div> <div>{ "transactionid": 2, "transactiontype": 0, "stockamount": 1.0, "date": "2024-10-25T01:21:56.000+00:00", "priceperstock": 221.45, "totalprice": 221.45, "email": "UserEmail", "symbol": "SAP", "leftinportfolio": 0 }, { "transactionid": 1, "transactiontype": 1, "stockamount": 6.0, "date": "2024-10-25T01:21:37.000+00:00", "priceperstock": 221.45, "totalprice": 1328.7, "email": "UserEmail", "symbol": "SAP", "leftinportfolio": 1107.25 },...] 401 { "answer": "Unauthorized for this transaction!" }</div>

				500 {"answer": "An unexpected error occurred during getting transactions."}
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/portfolio

Method	Endpunkt	Description	Data In	Data Out
GET	/portfolio	Get an user portfolio	?email=UserEmail&token=TestToken	200 { "portfolioid": 1, "value": 7128.21, "startvalue": 7000, "email": "UserEmail" } 401 {"answer": "Unauthorized for this transaction!"} 500 {"answer": "An unexpected error occurred while getting the user portfolio."}

/order

Method	Endpoint	Description	Data In	Data Out
POST	/order	Add a new stock to the user portfolio	{ "token": " TestToken ", "transactioncontent": { "transactiontype": 1, "stockamount": 6.0, "date": "2024-10-25T01:21:37.000+00:00", "priceperstock": 221.45, "totalprice": 1328.7, "email": "UserEmail", "symbol": "SAP" } }	200 {“answer”: “Transaction was successfully completed!”} 400 {“answer”: “Not enough budget for this transaction!”} 401 {“answer”: “Unauthorized for this transaction!”} 500 {“answer”: “An unexpected error occurred while adding a new stock to the portfolio.”}
PUT	/order/buy	Increase an existing portfolio stock	{ "token": " TestToken ", "transactioncontent": { "transactiontype": 1, "stockamount": 6.0, "date": "2024-10-25T01:21:37.000+00:00", "priceperstock": 221.45, "totalprice": 1328.7, "email": "UserEmail", "symbol": "SAP" } }	200 {“answer”: “Transaction was successfully completed!”} 400 {“answer”: “Not enough budget for this transaction!”} 401 {“answer”: “Unauthorized for this transaction!”} 404 {“answer”: “You don't own a position with the selected stock!”} 500

				{“answer”: “An unexpected error occurred while increasing the portfolio stock.”}
PUT	/order/sell	Decrease an existing portfolio stock	{ "token": " TestToken ", "transactioncontent": { "transactiontype": 0, "stockamount": 1.0, "date": "2024-10-25T01:21:56.000+00:00", "priceperstock": 221.45, "totalprice": 221.45, "email": "UserEmail", "symbol": "SAP", } }	200 {“answer”: “Transaction was successfully completed!”} 400 {“answer”: “Your stock position is not that high!”} 401 {“answer”: “Unauthorized for this transaction!”} 404 {“answer”: “You don't own a position with the selected stock!”} 500 {“answer”: “An unexpected error occurred while decreasing the portfolio stock.”}
DELETE	/order	Delete a stock from user portfolio	{ "token": " TestToken ", "transactioncontent": { "transactiontype": 0, "stockamount": 1.0, "date": "2024-10-25T01:21:56.000+00:00", "priceperstock": 221.45, "totalprice": 221.45, "email": "UserEmail", "symbol": "SAP", } }	200 {“answer”: “Transaction was successfully completed!”} 400 {“answer”: “Your stock position is not that high!”} 401 {“answer”: “Unauthorized for this transaction!”} 404 {“answer”: “You don't own a position with the selected stock!”} 500

				{“answer”: “An unexpected error occurred while deleting the portfolio stock.”}
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