

JSON templates

All methods are done through post requests

For now, the post request is sent through a local host

In your JavaScript add the url: <http://127.0.0.1:6969>

And then add the following below if calling this post request

E.g. When logging in use <http://127.0.0.1:6969/login> with corresponding JSON

For Now when sending JSON to Backend convert all values into Strings and just transfer Strings

/login

```
#This is function that is used to login so the parameters need to be the  
username and password
```

JSON format:

Send JSON

```
{  
  - "Data": [  
    "email@example.com",  
    "encodedPassword"  
  ]  
}
```

Return JSON

```
{  
  - "Response" : true,  
  - "UserID" : 1245  
}
```

/register

```
#This is function that is used to register parameters are to be set by  
frontend
```

JSON format:

Send JSON

```
{  
  - "Data": [  
    "Username",  
    "email@example.com",  
    "encodedPassword"  
  ]  
}
```

Return JSON

```
{  
  - "Response" : true,  
  - "UserID" : 1245  
}
```

/createName

```
#This is function that is first called that has the name of the new ETF and the amount
```

JSON format:

Send JSON

```
{
  - "Data": [
    "UserID",
    "EtfName",
    amount
  ]
}
```

Return JSON

```
{
  - "Response": true,
  - "Data": [
    "UserID",
    "EtfID",
  ]
}
```

/createRules

#This is function that contains all the new rules when the person submits

JSON format:

Send JSON

```
{
  - "UserID" : 2345,
  - "ETFid": 23451,
  - "Rules": [
    [Code, [Parameters]],
    ["001", ["154"]],
    ["101", [15,100000]]
  ]
}
```

Return JSON

```
{
  - "UserID" : 2345,
  - "ETFid": 23451,
  - "ETFName": "ETF1",
  - "CashOverFlow": 160.25,
  - "Stocks":[
    [Name, Ticker, AmountOfstock],
    [Apple, APPL, 45],
    [Google, GOOG, 12]
  ]
  - "Values": [
    [Date, Price]
    [02/6/2016, 982166.12],
    [02/07/2016, 952166.89]
  ]
}
```

/generateETF

```
#This is function that is used when a user wants to see the etf so the JSON that is passed needs to contain both the etf name and the date
```

JSON format:

Send JSON

```
{
  - "UserID" : 2345,
  - "ETFid": 23451,
  - "StartDate" : 01/01/2016
  - "DatePeriodInDays" : 30
}
```

Return JSON

```
{
  - "UserID" : 2345,
  - "ETFid": 23451,
  - "ETFName": "ETF1",
  - "CashOverFlow": 160.25,
  - "Stocks":[
      [Name, Ticker, AmountOfstock],
      [Apple, APPL, 45],
      [Google, GOOG, 12]
    ]
  - "Values": [
      [Date, Price]
      [02/6/2016, 982166.12],
      [02/07/2016, 952166.89]
    ]
}
```