

Documentation for Financial Transactions HTML Page
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1 HTML

1.1 Preamble and head

1.1.1 Preamble

Declares the document as HTML5.

```
1 <!DOCTYPE html>
```

1.1.2 meta charset

Specifies that characters in the file are encoded in UTF-8.

```
4 <meta charset = "UTF-8"/>
```

1.1.3 link rel="stylesheet"

Imports the CSS file.

```
5 <link rel="stylesheet" type="text/css" href="./style.css"/>
```

1.1.4 Scripts

Imports the main Javascript file, responsible for the table and UI.

```
7 <script src="./script.js"></script>
```

Imports the Google API library.

```
8 <script src="https://apis.google.com/js/api.js"></script>
```

Imports other Javascript files, responsible for database management.

```
9 <script src="./googleApiScript.js"></script>
10 <script src="./mysqlScript.js"></script>
11 <script src="./localStorageScript.js"></script>
12 <script src="./imageFirestore.js"></script>
```

1.2 Inputs

Disables autocomplete which remembers past user input by default. `return false` specifies that no POST request should be made to the server.

```
20 <form onsubmit="return false" autocomplete="off">
```

1.2.1 Labels

Identifies the purpose of the field to the user, allows the user to select the field by clicking the label. This element is also used by accessibility tools to identify the field.

```
22 <label for="date">Date:</label><br/>
```

1.2.2 Date

```
13 <input id="date" name="date" type="date" placeholder="yyyy-mm-dd"/>
```

1.2.3 Text

```
28 <input id="account" name="account" list="accountsList" type="text"
    ↪ placeholder="Account Number"/>
```

1.2.4 List

```
34 <label for="type">Transaction Type:</label><br/>
35 <select id="type" name="type">
36     <option value=""></option>
37     <option value="BUY">BUY</option>
38     <option value="SELL">SELL</option>
39     <option value="!DIVIDEND">DIVIDEND</option>
40     <option value="!INTEREST">INTEREST</option>
41     <option value="!WITHDRAW">WITHDRAW</option>
42     <option value="!DEPOSIT">DEPOSIT</option>
43 </select>
```

1.2.5 Buttons

```
70 <button id="add" type="submit" onclick="addTransactionButton();">Add
    ↪ Transaction</button>
```

1.3 Table

1.3.1 thead

1.3.2 tbody

2 Main Javascript

2.1 `getData()`

2.2 `validate()`

2.2.1 Check empty

2.2.2 Check NaN

2.2.3 Check date

2.3 `generateId()`

2.4 `calculateCostBasis()`

2.5 `addTransaction()`

2.6 `deleteRow()`

2.7 `editRow()`

2.8 `saveChanges()`

2.9 `discardChanges()`

2.10 `sortTable()`

3 CSS

3.1 Vertical Scrolling Table

3.2 Horizontal Scrolling on Overflow

3.3 Miscellaneous

3.3.1 Sort buttons

3.3.2 Editing highlight

3.3.3 Table borders