I am working on an automated trading project where I want to automate my synthetic trades on Deriv. This is my app id 71979 and all in all I expect to be logged in using the real account not account but also, I can toggle to the demo account. Below id a deeper description of the app’s functionalities

1. Use app Id and implement deriv log in. In this app, the first page is the login page. Here, I will get the option with login with deriv where I will use the login of deriv then after successful one, I will be redirected to the home/landing page.

2. Have balance display as per deriv everywhere despite changing pages. This should be done on top right of the page and it is static across all the pages

3. Home page/ landing page. This will have the following tales; A. Market Data table. This table will be the first to be displayed and here is its outlook. Please note that these are dummy data used to fill it but this is its outlook. You will be using the webscocket connection from deriv and request 1000 history data and then there after update the table with new data. The percentages are calculated based on the digits appearance and taking into account 1000 of them. For this table, I need to be able to change the number of ticks since default is 1000, I should be able to change this to either 600, 200, 100 and so forth. Moreover, I should be able to download the data for each market individually rather than together in a csv file. So basically, every data that has been received as long as the app was running should be able to be downloaded later on. For this market data table, be sure to color code the most appearing and least appearing digit for each market. So for the most percentage, color code it green and the least color code red

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Market Name | Price | Last Digit | 0% | 1% | 2% | 3% | 4% | 5% | 6% | 7% | 8% | 9% |
| Volatility 10 Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 25 Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 50 Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 75 Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 100 Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 10 (1s) Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 25 (1s) Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 50 (1s) Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 75 (1s) Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |
| Volatility 100 (1s) Index | 123.25 | 5 | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% | 8.2% |

B. the second table is the even odd sequence table and this table is used to show the sequence of the data for the last 10 digits. So, when a new tick appears, it lists it as either O for odd and E for even. Here is the table with the dummy data populated

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Market Name | Price | Last Digit | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Volatility 10 Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 25 Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 50 Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 75 Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 100 Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 10 (1s) Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 25 (1s) Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 50 (1s) Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 75 (1s) Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |
| Volatility 100 (1s) Index | 123.25 | 5 | E | E | E | O | O | O | E | O | E | E |

C. The third table is the over under table. For this table I should be able to choose from the drop down for over from over 0 to over 8 and for under from under 9 to under 1. So, when I select under 5, digits 6, 7, 8, and 9 are marked as O for over while4, 3, 2,1 and 0 are marked as under and 5 is marked as B for barrier. This is to be done for all the other ones.

D. Table 4 is the even/odd percentages. This provides the percentages of the even and odd based on the number of the ticks selected with 1000 ticks being the default value and I should be able to change the number of ticks manually.

E. the 5th table is the percentages of over and under and it is divided into 2 with one side showing the over percentages of each barrier digit and the other side showing the under percentages for each barrier digit.

4. Tester page have test for strategies. This page is used to test strategies before using real money. Here the strategies will be in cards. For now, the main focus is on 2 strategies, Over 1 strategy and under 8 strategies. This section will be using point-based system to test the profit/loss of a strategy. For over one strategy, when active, it should wait for digits between 1 and 1 (basically 1 and 0) to appear more than once consecutively and once this is broken by appearance of digit 2 and above, it is mark the next digit (tick) for contract purchase. If the digit is 2 and above, that is a win and if the digit is either 0 or 1 it is a loss. So as the ticks as being updated, others add later. Have market (next to this have a small field siapying the incoming price based on the chosen market), starting points balance, martingale (need more thinking or omit), win point, loss point. Analyze the incoming data from the specified market or all. Have a field that displays number of consecutive appearance of more than once of 1 and 0. Display the execution trade in the table stating trade type, market, entry price, exit price, win/loss, new balance.

5. Live trading page. Here have strategies and for ov 1 and under 8 have stake, bulk. Market as single or all. When executed the results displayed on persisting table

6. Persistence table in all pages.

Over 1 strategy. After consecutive appearance of digits 0 and 1 more than twice/thrice/fourth,

(Scan the data and look for consecutive appearnce of 1s and 2s more than either twice, thrice, ans so forth. Display the maximum consecutive appearance) trade over 1 after appearance of 2 and above digits.

Under 8. Reverse of over 1

Logging page be persistent not log in everytime, landing page, tester page, real trading page, persistent table(this is the main stress). In tester page, have a testing page that trades even randonly.

Use node.js

Look for designs and correct color schemes

Folder structure. I would like for each functionlity to be in its folder

Ninajua mimi ni mungu

Start 12 20