

Process MeNtOR 3.0

Uni-SEP

Crypto Trading Application Implementation Document

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Version	Date	Authors	Summary of Changes
1.0	04/04/22	Cole, Nick, Mitch, Nathan	Initial Write

Document Sign-Off

Name (Position)	Signature	Date
Cole (Contributor)	CAS	04/04/22
Mitchell (Contributor)	MW	04/04/22
Nathan Chan (Contributor)	NC	04/04/22
Nick Barrie (Contributor)	NB	04/04/22

1 Activities Plan

1.1 Group Meeting Logs

In this Section you write minutes of each meeting, listing the attendance, what the topics of discussion in the meeting were, any decisions that were made, and which team members were assigned which tasks. These minutes must be submitted with the project report in each deliverable and will provide input to be used for the overall assessment of the project.

Present Group Members	Meeting Date	Issues Discussed / Resolved	Tasks
All members	31 January 2022	Work distribution	
All members	11 February 2022	Work completion and distribution	
All members	15th February 2022	Review of work completion	
All members	8 March 2022	Work distribution and SDD planning. Deciding architecture styles to implement in the future.	Cole- Architectural Style, Introduction Nathan- Sprint BackLog, Interface Descriptions Nick- Components Mitchell- Component list, Interfaces
All members	31 March 2022	Code work distribution. Design planning.	Everyone assigned classes involving respective use cases.
All members	4 April 2022	Final polish	

2 Test Driven Development

Test ID	1
Category	User Login
Requirements Coverage	UC1 User Login
Input Data	User has entered username and password
Procedure	<p>The list of steps required for this test case</p> <ol style="list-style-type: none"> 1. Login Window has opened 2. Credentials have been entered 3. Login Button has been pressed 4. Entered Credentials are checked
Expected Outcome	The main application will launch. On denied credentials the Login window will terminate and the main app will not launch.
Notes	N/A

Test ID	2
Category	Adding/Removing Brokers
Requirements Coverage	UC2 Adding/Removing Brokers
Input Data	add row event and enter data for broker name, coin list, and strategy
Procedure	<p>The list of steps required for this test case</p> <ol style="list-style-type: none"> 1. The user adds a row 2. The user fills in the information for all rows
Expected Outcome	A Broker object is created and the information is the same as the user entered
Notes	N/A

Test ID	3
Category	Displaying Trades
Requirements Coverage	UC3 Display Trades
Input Data	N/A
Procedure	<p>The list of steps required for this test case</p> <ol style="list-style-type: none"> 1. The user makes a trade
Expected Outcome	The system displayed a log of the trading activity of each client in a table
Notes	N/A

Test ID	4
Category	Performing Trade
Requirements Coverage	UC4 Perform Trade
Input Data	click perform trade
Procedure	<p>The list of steps required for this test case</p> <ol style="list-style-type: none"> 1. The user has clicked perform trade 2. The program requests for trade prices 3. The program does not receive trade prices
Expected Outcome	The program returns to main without performing trade
Notes	This will occur when the network is not connected or there is a failure in fetching trade prices

Test ID	5
Category	Login System
Requirements Coverage	UC2 Access to the app through a login system
Input Data	User has entered incorrect username and password
Procedure	<ol style="list-style-type: none"> 1. The user enters an incorrect key-value (username and password) pair. 2. The user presses the login button.
Expected Outcome	The application should terminate and not continue to the main UI.
Notes	N/A

Test ID	6
Category	Updating the Histogram
Requirements Coverage	UC4
Input Data	perform trade action
Procedure	<p>The list of steps required for this case</p> <ol style="list-style-type: none"> 1. The user makes a trade
Expected Outcome	The trade database is updated with the new trade. The trade database then updates the histogram with the new trade. Then the main UI displays the histogram.
Notes	N/A

Test ID	7
Category	Updating Coin prices
Requirements Coverage	UC4
Input Data	perform trade action
Procedure	<p>The list of steps required for this case</p> <ol style="list-style-type: none"> 1. The user makes a trade
Expected Outcome	The broker alerts the coin database what coins it is interested in. The coin database collects new prices from CoinGecko and performs trades with updated prices.
Notes	N/A

Test ID	8
Category	Updating Histogram with new strategy
Requirements Coverage	UC4
Input data	User changes a broker strategy
Procedure	<p>The list of steps required for this case</p> <ol style="list-style-type: none"> 1. The user makes a broker with a strategy 2. broker performs a trade 3. The strategy of the broker is changed 4. broker performs the trade with different strategy
Expected Outcome	This histogram will show one trade made by broker in the first strategy and one trade made second strategy
Notes	N/A