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User Manual

# ASX "Trading Wheels"



An Incom Systems Application

May, 2017  
Version 1.3

## COPYRIGHT

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Getting Help

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# GETTING STARTED

Thank you for selecting the ASX “Trading Wheels” Desktop Application!

A stock market trading game that utilises real time, real world, Australian Stock Market data - Allowing users to practice trading in stocks, in a simulated environment, without any risk to the users real world assets or money.

## SYSTEM OVERVIEW

Upon registration, users will be provided \$1,000,000 (simulated, of course!) credited to their account, to get them started. This allows them to purchase stocks, immediately after registration.

Users will be ranked on a leaderboard based off of the profits they've made playing the game, with user scores being updated in real time, alongside the updating and changing stock value.

Trading Wheels also provides the tools necessary for users to track progress, and make informed decisions with regards to future trades. This includes allowing users to view their transaction history, a day by day breakdown of their portfolio value, and graphs showing the value history for each stock.

## PREREQUISITES

Users must be connected to the internet & have access to devices such as an Android smartphone and/ or a desktop setup in order to be able to install the application. Trading Wheels is being developed as both a desktop & mobile application so that players can trade on the go!

The user must have a valid email address in order to create an account.

## USER ACCESS LEVELS

### Admin

The admin is an authorised user with more privileges including:

- Ability to add/ remove stocks currently owned from the user's account in exceptional situations.
- Alter the user balance in accordance to any changes made to an account, any shares added/removed.
- Setting a buy/ sell fee charged when players make transactions.
- Message all users in order to notify them of any changes or provide warnings upon misconduct.
- Delete a user if the admin deems fit. Authority only used in exceptional cases e.g. Unacceptable behaviour.

### User

The average player can do all of the following:

- Gain access to detailed Stock Data that allows them to study the stock market.
- Buy/ Sell Stocks with simulated money to imitate real profit & loss according to real data.
- Send Messages between players
- View the Leaderboard to see the top players and view their balance along with how high they rank on the leaderboard.
- Transfer funds amongst other users.

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# DESKTOP APPLICATION

## INSTALLATION

The most recent version of the application can be downloaded from [here](#):

\*\*\*insert link\*\*\*

## LOG IN & SIGN UP

A screenshot of a web application window titled "ASX 'Trading Wheels'". The window has a light blue background. At the top, the title "ASX 'Trading Wheels'" is displayed in a large, bold, blue font. Below the title, there are five input fields arranged vertically, each with a label to its left: "First Name:", "Last Name:", "Email Address:", "Password:", and "Confirm Password:". Each input field is a white rectangle with a thin blue border. Below the input fields, there are two buttons: a "Back" button on the left and a "Register" button on the right. Both buttons are light blue with a slight gradient and a shadow.

Figure 1.1 - Sign Up

### Register to create an account.

\* An existing email ID is required to Sign Up

1. Enter First & Last Name.
2. Enter a valid Email address & desired Password.
3. Press 'Register' to complete the process.

### Login to existing account.

1. Enter set Email address & password.
2. Press 'Login' to play.

\* An error message will pop up if email address/ password is incorrect.

\* Unregistered users can click on 'Sign Up' & follow Figure 1.1

A screenshot of a web application window titled "ASX 'Trading Wheels'". The window has a light blue background. At the top, the title "ASX 'Trading Wheels'" is displayed in a large, bold, blue font. Below the title, there are two input fields arranged vertically: "Email Address:" and "Password:". Each input field is a white rectangle with a thin blue border. Below the input fields, there are two buttons: a "Login" button and a "Sign Up" button. Both buttons are light blue with a slight gradient and a shadow. The "Sign Up" button is positioned below the "Login" button.

Figure 1.2 - Log In

## SYSTEM MENU

### Portfolio

\*Provides an overview of the current status of the player's account and it's current worth.

How to interpret the values:

- Balance: The current balance of simulated money you own. Used to buy/ sell shares.
- Share value:
- Total value:



Figure 1.3 - Portfolio

Select stocks & click on 'Sell Selected Stocks' from the portfolio.

Menu:

1. Click on 'Browse Stocks' to browse for stocks in order to purchase them.
2. Click the 'View History' button to look at previous transactions taken place.
3. Click on 'Leaderboard' to view the top players of the game.
4. Click the 'Inbox' button to be able to chat to other players.
5. Click on the 'Logout' button to exit your account.

## Browse Stocks

\*Enables the player to view a list of stocks available to Buy/ Sell

1. Type in the name of a specific stock into the search bar to locate it on the list.
2. Select a stock and click on the 'View Selected Stock' button to view more detailed information.
3. Click the 'Back' button to navigate back to the portfolio.



Figure 1.4 Browse Stocks

## Stock Details & Buy/ Sell Functionality

\* Select a stock to view how much it was worth (\$) over the span of 22 days.

1. The graph provides the user with an idea of how the stock has been trending over the last three weeks - whether its been appreciating/ depreciating in value for the player to have a look and be able to make informed decisions accordingly.
2. Enter the desired quantity of this stock before clicking 'Buy'.
3. 'You own:' informs you of the quantity of this stock already owned. If you don't own the stock

currently, it simply states '0' however if you do own the stock, it allows the player to enter the amount they would like to sell before clicking 'Sell'.



Figure 1.4 Browse Stocks

4. Click the 'Back' button to navigate back to the portfolio.

## View History

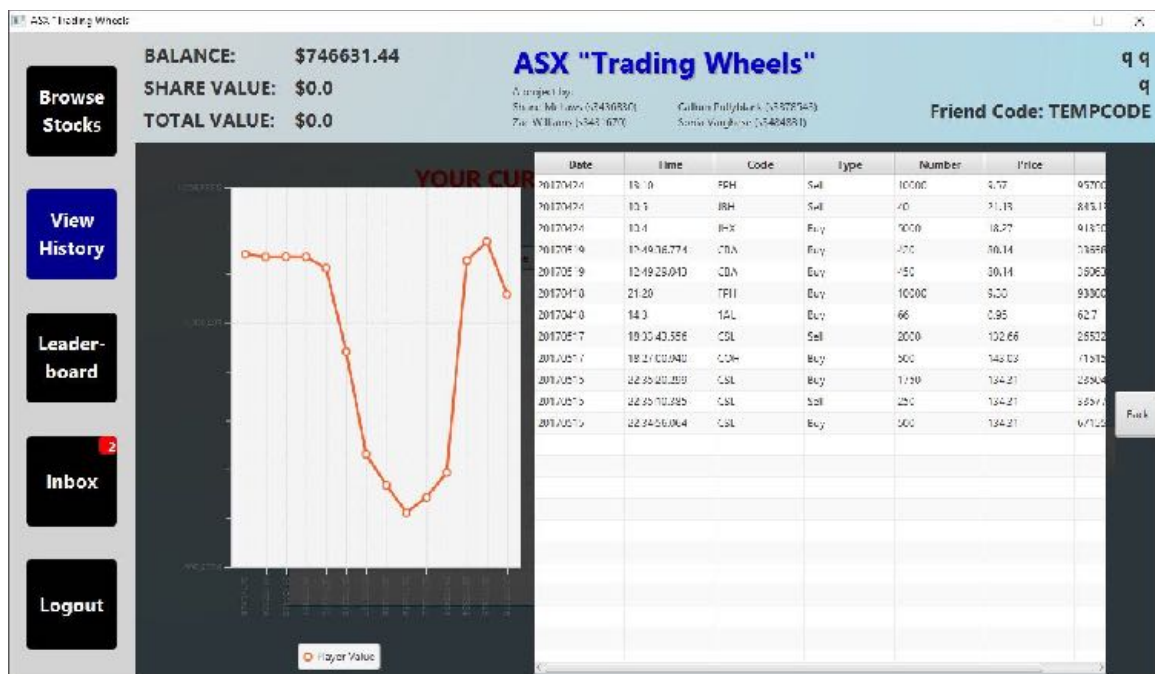


Figure 1.5 View History

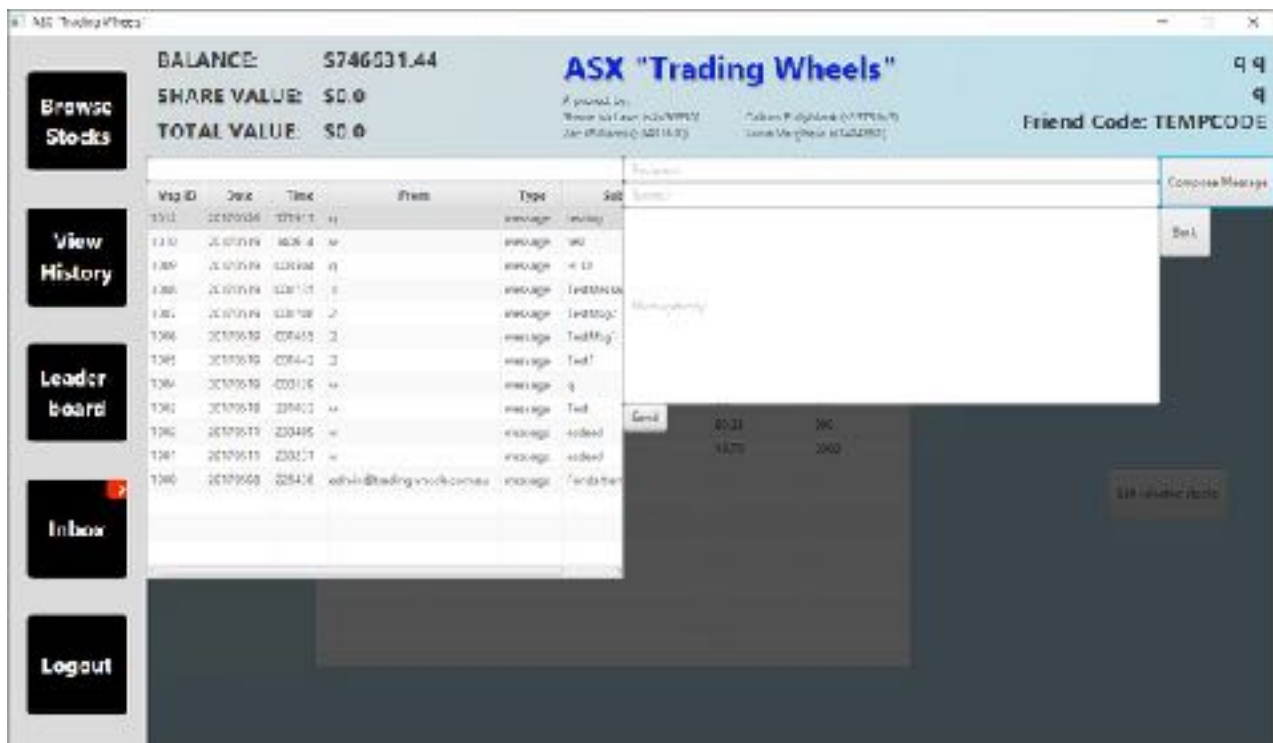
- \* Provides the player with a summary of all their previous transactions.
- \* How to interpret the values:
  - Date & Time: A record of when the stock was bought/ sold (yyyymmdd)
  - Code: Each stock is uniquely identified by a 3 letter code
  - Type: Whether the stock was bought or sold
  - Number: Quantity of stock bought/ sold
  - Price: How much each of the stock costs.
  - Amount: How much the stocks are worth (Price x Quantity)

Click 'Back' to navigate back to the portfolio.

Date	Time	Code	Type	Number	Price	Amount
20170424	13:10	FBH	Sell	10000	4.77	47700
20170424	13:11	JBH	Sell	40	21.13	845.2
20170424	13:14	JBH	Buy	10000	18.27	182700
20170519	17:49:16.774	CDN	Buy	400	30.14	12056
20170519	12:49:23.013	CDN	Buy	450	30.14	13563
20170410	21:20	TFII	Buy	10000	9.30	93000
20170410	14:13	15L	Buy	66	0.95	62.7



## Inbox



## Leaderboard

BALANCE: \$746031.44  
SHARE VALUE: \$0.0  
TOTAL VALUE: \$0.0

ASX "Trading Wheels"

Friend Code: TEMPCODE

Position	Name	Score
1	0.0	55.075
2	0.0	34.075
3	1.0	11.1
4	arthur schne	0.00
5	Ross Gallagher	0.00
6	2.0	0.00
7	Brian signore	0.0
8	am. meller	0.0
9	Gillian Williams	0.0
10	Ross Riedel	0.0

Back

Figure 1.6 Leaderboard

\*Users can view the scores of the top 10 players of the game just by selecting the 'Leaderboard' button.

How to interpret the values:

- Position: Ranking from 1-10 in ascending order.
- Name: Username of the top ranking players on display
- Score: Displays where each of the top players sit on the leaderboard

Click 'Back' to navigate back to the portfolio.

## EXIT SYSTEM



### Logout

Click 'Logout' to exit your account.

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# MOBILE APPLICATION

## INSTALLATION

The most recent version of the application can be downloaded from [here](https://github.com/rmit-s3436830-shane-mclaws/capstoneASX/blob/master/Mobile%20Development/TradingWheels.apk):

<https://github.com/rmit-s3436830-shane-mclaws/capstoneASX/blob/master/Mobile%20Development/TradingWheels.apk>

Currently available as a '.apk' file for installation on Android devices only.

## SYSTEM MENU

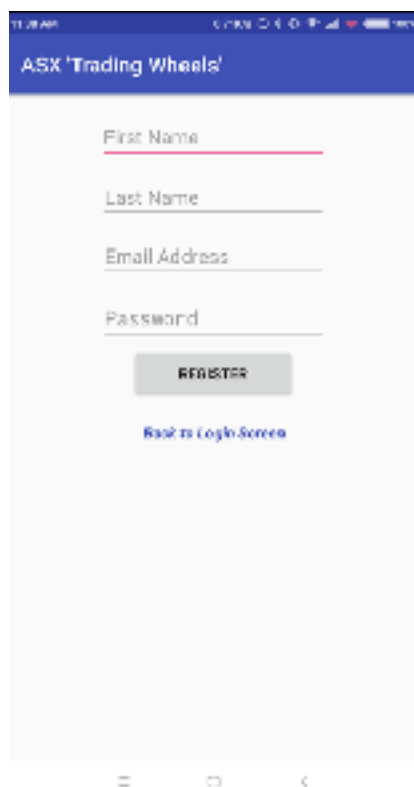


Figure 2.1 - Sign Up

### Register to create an account.

\* An existing email ID is required to Sign Up

1. Enter First & Last Name.
2. Enter a valid Email address & desired Password.
3. Press 'Register' to complete the process.



Figure 2.2 - Log In

### Login to existing account.

1. Enter set Email address & password.
2. Press 'Login' to play.

\*An error message will pop up if email address/ password is incorrect.

\*Unregistered users can click on 'Not Registered?' & follow Figure 2.1



Figure 2.3

## Portfolio

\*Provides an overview of the current status of the player's account and it's worth.

1. Press 'Score Board' to view the Leaderboard.
2. Press 'View History' to look at previous transactions taken place.
3. Press 'Stock List' to browse for stocks in order to purchase them.

## Leaderboard

\*Users can view the scores of the top players of the game just by selecting the 'Score Board' button.

1. Select 'Close' to go back to the home page.

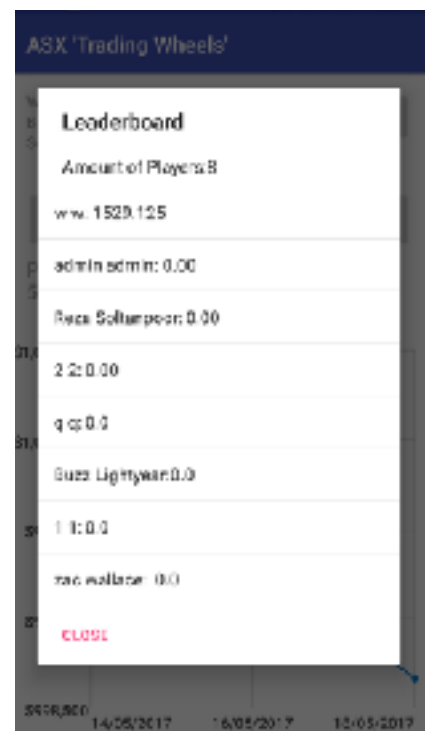


Figure 2.4



Figure 2.5

## Transaction History

\*Enables the player to have a look at all their previous transactions - stock owned/ sold.

1. Select 'Close' to go back to Home page.





Figure 2.6

## Buy & Sell Stocks

\*Players can browse for stocks to buy & sell by selecting the 'Stock List' option which allows them to view how each option is trending in the market along with it's current value.

1. Select 'Buy' to own or 'Sell' to get rid of current stocks owned.
2. Select 'Cancel' to go back to the Home page.

## Stock List

\*Enables the player to view a list of stocks available to Buy/Sell

1. Type in the name of a specific stock into the search bar to locate it on the list.
2. Select 'Back Home' to navigate back to home page.

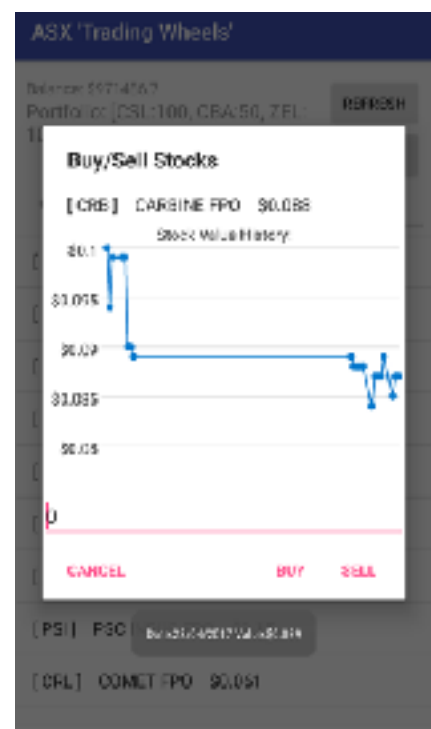


Figure 2.7



Figure 2.8

## Logout

Press 'Logout' to exit your account.

\*\* If any issues encountered are not addressed by this user manual, please contact \_\_\_\_\_ \*\*