**Priority levels: 5, 4, 3, 2, 1 (from priority level: 5, 4, 3, 2, 1 (from high to low)**

**Story points: 1 point = 1 day**

Users:

1. Unregistered Users
2. Registered Users

**User epic story 1: Unregistered Users**

|  |  |
| --- | --- |
| **ID** | 1.1 |
| **Name** | Visualised stock performance |
| **Description** | As an unregistered user, I want to be able to see graphs of how stocks are doing, so I have a visual reference of stock performance |
| **Acceptance**  **Criteria** | 1. Graph should contain:    1. Time vs price 2. Should display a graph of current stock market situation on front page 3. Should display on each stock details page |
| **Priority** | 2 |
| **Size** | 3 |

|  |  |
| --- | --- |
| **ID** | 1.2 |
| **Name** | Search stocks by code |
| **Description** | As an unregistered user, I want to search stocks by code and/or name, so I can navigate different stocks more efficiently |
| **Acceptance**  **Criteria** | 1. Have a search bar    1. Searching displays list of matching items    2. If no items display text indicating no items 2. Clicking into search items will navigate to corresponding stock pages 3. Before searching, all stocks displayed |
| **Priority** | 5 |
| **Size** | 4 |

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| --- | --- |
| **ID** | 1.3 |
| **Name** | Stock details |
| **Description** | As an unregistered user, I want to be able to see the details of specific stocks, so I can be informed about specific stock’s details |
| **Acceptance**  **Criteria** | 1. Stock page should display the following details:    1. Stock name    2. Market cap    3. Current price    4. Daily volume    5. Number of shares    6. Dividend pay date    7. Franking    8. Annual yield    9. Price history 2. Click on choose date button, a list of dates will be displayed. 3. By clicking on specific date, the historical price will be displayed on the time vs price chart and table. |
| **Priority** | 5 |
| **Size** | 4 |

|  |  |
| --- | --- |
| **ID** | 1.4 |
| **Name** | Create account |
| **Description** | As an unregistered user, I want to be able to make an account, so that I can get access to registered features. |
| **Acceptance**  **Criteria** | 1. Should be able to click on the “sign up” at the home page. 2. Unregistered users should be able to type in a password and email address to register.    1. “Email already exists” error    2. “Weak password” error    3. Sanitised inputs 3. Passwords should generally follow NIST password guidelines    1. <https://specopssoft.com/blog/nist-password-standards/> 4. Should be logged in if successfully registered 5. After creating account, has access to Registered user only functions 6. Can log out of account 7. Accounts are saved and can be logged back in 8. Accounts start of with $1bil |
| **Priority** | 4 |
| **Size** | 3 |

**User epic story 2: Registered Users**

|  |  |
| --- | --- |
| **ID** | 2.1 |
| **Name** | Logging in |
| **Description** | As a registered user, I want to log in to the website with my credentials, so that I can access my account |
| **Acceptance**  **Criteria** | 1. Should be able to click on login at home page. 2. Can enter credentials    1. Let user login if match    2. Error and prevent login if mismatch 3. If fail to login more than 10 times, lock for period of time 4. After logging, see website main page |
| **Priority** | 3 |
| **Size** | 2 |

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| --- | --- |
| **ID** | 2.2 |
| **Name** | Account details |
| **Description** | As a registered user, I want to be able to see my account details, so I can view things specific to me |
| **Acceptance**  **Criteria** | 1. Can click on ‘my account’ at the home page, this button replaces the login button when logged in 2. ‘My account page’ should contain the following    1. Watchlists    2. Owned stocks    3. Search bar for owned stocks/watchlist    4. Wallet details 3. Owned stocks page contains:    1. Current profit if all stocks sold now    2. List of owned stocks and their basic details 4. Have update/change email and password buttons |
| **Priority** | 2 |
| **Size** | 3 |

|  |  |
| --- | --- |
| **ID** | 2.3 |
| **Name** | Password reset when logged in |
| **Description** | As a registered user, I want to be able to change my password, so I can stop using any compromised passwords |
| **Acceptance**  **Criteria** | 1. Can click on ‘change password’ button on ‘my account’ page 2. Should be able to reset password    1. If current password doesn’t match, prevent changing password    2. Should type a new password twice, reset if matched, error if failed    3. “Weak password” error |
| **Priority** | 1 |
| **Size** | 2 |

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| --- | --- |
| **ID** | 2.4 |
| **Name** | Password reset without logging in |
| **Description** | As a registered user, I want to be able to change my password if I forgot it, so I can log in |
| **Acceptance**  **Criteria** | 1. Can click a ‘forgot password’ button on login page 2. Can change password for an email    1. If email doesn’t exist, don’t give any warning |
| **Priority** | 1 |
| **Size** | 3 |

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| --- | --- |
| **ID** | 2.5 |
| **Name** | Watchlist |
| **Description** | As a registered user, I want to be able to add stocks to my watchlist, so I can easily see how all the things im interested in are doing |
| **Acceptance**  **Criteria** | 1. Should be able to add to the watchlist through the stock details page 2. Should be able to remove a stock from the watchlist on the stock details page or via the ‘watchlist’ page 3. Should be able to click on “watchlist” then display a list of stocks 4. Should be able to view the details page of stock in watchlist when clicked 5. Watchlist should display some basic statistics    1. Stock code    2. Stock price    3. Stock performance |
| **Priority** | 3 |
| **Size** | 4 |

|  |  |
| --- | --- |
| **ID** | 2.6 |
| **Name** | Buy/sell stocks |
| **Description** | As a registered user, I want to be able to buy/sell stocks, so I can profit. |
| **Acceptance**  **Criteria** | 1. Registered users can buy stocks when they have enough capital.    1. Error message if buying more stocks than they have capital 2. Registered users can sell stocks within their holdings.    1. Sell from the stock details page if it is owned    2. Error message if selling more stocks than they own 3. Can see the total value of stock they are selling |
| **Priority** | 3 |
| **Size** | 3 |

|  |  |
| --- | --- |
| **ID** | 2.7 |
| **Name** | User Assets / Owned Stock |
| **Description** | As a registered user, I want to be able to view and interact with my assets so that I can improve my overall portfolio performance. |
| **Acceptance**  **Criteria** | 1. Should be able to access individual investments through the user assets page 2. Should be able to click on “owned stocks” then display a list of user owned assets. 3. Individual stock pages should display some basic statistics    1. Stock code    2. Stock price    3. Stock performance 4. Stocks should automatically update or remove itself from the user assets/owned stocks page at each transaction. |
| **Priority** | 3 |
| **Size** | 2 |

|  |  |
| --- | --- |
| ID | 2.8 |
| Name | Delete account |
| Description | As a registered user, I want to be able to delete my account, so I can stop playing this game |
| Acceptance  Criteria | Can click delete button on MyAccount page  Account scrubbed from database  Can no longer login with those credentials and can create new account with the email address |
| Priority | 1 |
| Size | 1 |

# Sprint Planning

**Sprint 1: priority 5 and 4**

* 1.2: Search stocks
* 1.3: Stock details
* 1.4: Create account

11/11 days

**Sprint 2: priority 3**

* 2.1: Logging in
* 2.5: Watchlist
* 2.6: Buy/Sell
* 2.7: User portfolio

11/20 days

**Sprint 3: priority 2 and 1**

* 1.1: Visualise stocks/Graphs
* 2.2: Account details
* 2.3: Password reset when logged in
* 2.4: Password reset when logged out
* 2.8: Delete account

12/14 days