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| --- | --- | --- |
| Use Case | CMC18 | |
| Title | Display Selected Moving Averages | |
| Description | This use case is layout the steps by which the system will add/remove moving averages to the graph. | |
|  |  | |
| Preconditions | The user has already selected a stock; Value of a ‘Moving Averages Checkbox’ has changed. | |
| Primary Actor | User | |
| Secondary Actor | System/Application | |
| Dependencies | Add X-Day Moving Average(CMC18.1); Remove X-Day Moving Averages(CMC18.2) | |
|  |  | |
| Scenario | Steps: | |
|  | 1 | Determine which moving average was checked |
|  | 2 | Calculate moving average using selected stock’s closing prices |
|  | 3 | Add X-Day Moving Average(CMC18.1) |
| Alternatives | Steps: |  |
|  | 1a | Determine which moving average was unchecked |
|  | 2a | Remove X-Day Moving Averages(CMC18.2) |
|  | 2.1 | No stock has been selected |
|  | 2.2 | Notify user that they must select stock first |

|  |  |  |
| --- | --- | --- |
| Use Case | CMC18.1 | |
| Title | Add X-Day Moving Average (X represents {20, 50, 100, 200} ) | |
| Description | This the process by which a set of moving values is added to the display graph. | |
|  |  | |
| Preconditions | A set of values have been calculated. | |
| Primary Actor | System/Application | |
| Dependencies | Display Selected Moving Averages (CMC18) | |
|  |  | |
| Scenario | Steps: | |
|  | 1 | Start the new line with appropriate color (based on X) |
|  | 2 | Added Each value to the line |
| Alternatives | Steps: |  |
|  | 1.1 | Already exists |
|  | 1.2 | Removing existing values |

|  |  |  |
| --- | --- | --- |
| Use Case | CMC18.2 | |
| Title | Remove X-Day Moving Average (X represents {20, 50, 100, 200} ) | |
| Description | This the process by which a set of moving values is removed from the display graph. | |
|  |  | |
| Preconditions | n/a | |
| Primary Actor | System/Application | |
| Dependencies | Display Selected Moving Averages (CMC18) | |
|  |  | |
| Scenario | Steps: | |
|  | 1 | Get the corresponding line (based on X) |
|  | 2 | Remove the line from the graph |
| Alternatives | Steps: |  |
|  | 1.1 | Does not exists |