Assignment 2 Use Cases

Note that input validation is an implied variation.

Also notes that going back to menu implicit at end of each use case

# Load

|  |  |  |
| --- | --- | --- |
| Step | User Action | System Response |
| 1 | User inputs “L” |  |
| 2 |  | System looks for events.txt |
| 3 |  | System loads data contained in file |

Variation #1

1. Step 2, file not found
2. System prompts that file not found and this is the first run

# View By

|  |  |  |
| --- | --- | --- |
| Step | User Action | System Response |
| 1 | User inputs “V” |  |
| 2 |  | Asks if user wants day or month view  [D]ay view or [M]onth view |
| 3 | User inputs |  |
| 4 |  | Display current day/month depending on input |
| 5 |  | Ask user for next action  [P]revious or [N]ext or [M]ain menu? |
| 6 | User inputs |  |

Variation #1

1. Step 6, user specifies P
2. Go to step 4, display previous day or month, and continue as normal

Variation #2

1. Step 6, user specifies N
2. Go to step 4, display next day or month, and continue as normal

Variation #3

1. Step 6, user specifies M
2. Return to main menu

Variation #4

1. Step 4, no events
2. System prints “No events” and continues to step 5

# Create

|  |  |  |
| --- | --- | --- |
| Step | User Action | System Response |
| 1 | User inputs “C” |  |
| 2 |  | System asks for title, date, start, and end time  Title:  Enter a day (MM/DD/YYYY format):  Starting time (24hr format):  Ending Time (NA if not applicable): |
| 3 | User enters event data |  |
| 4 |  | Event created and stored, return to main menu |

Variation #1

1. Step 3, user enters NA for ending time
2. System stores event with only starting time, at step 4

# Go To

|  |  |  |
| --- | --- | --- |
| Step | User Action | System Response |
| 1 | User inputs “G” |  |
| 2 |  | System asks for a day to show  Enter a day (MM/DD/YYYY format): |
| 3 | User specifies a day |  |
| 4 |  | Go to “View By”, step 5, for the specified day |

# Event List

|  |  |  |
| --- | --- | --- |
| Step | User Action | System Response |
| 1 | User inputs “E” |  |
| 2 |  | System prints all events in chronological order |

Variation #1

1. Step 2, no events
2. System responds that the class is incorrect.
3. Return to step 2.

# Delete

|  |  |  |
| --- | --- | --- |
| Step | User Action | System Response |
| 1 | User inputs “D” |  |
| 2 |  | Ask for how to delete events  Delete events on [S]elected day, or [A]ll events? |
| 3 | User gives input |  |
| 4 |  | Ask user for specific day to delete  Enter the date (MM/DD/YYYY format): |
| 5 | User specifies |  |
| 6 |  | Delete all events on the desired day |

Variation #1

1. Step 3, user inputs “A”
2. System deletes all events
3. End of use case, return to menu

# Quit

|  |  |  |
| --- | --- | --- |
| Step | User Action | System Response |
| 1 | User asks to quit program |  |
| 2 |  | System saves all changes to text file |
| 3 |  | Program ends |