

Daniel Saneel
CS151
Dr. Suneuy Kim
Assignment 2 - MyFirstCalendar

Use Cases

Use Case I: Create One Time event

Step	User's Action	System's Response
1	The user Enters [C] to create an event	
2		System prompts user to enter the name of the event
3	The user enters the event name	
4		Prompts to enter the date of the event in YYYY-MM-dd:
5	The user enters the event date	
6		Prompts to enter the starting time in:
7	The user enters the event start time	
8		Prompts to enter the ending time:
9	The user enters the end time	
10		System validates the times don't clash with any existing event.
11		Prompts Your event has been successfully created!
12		System goes back to main menu

Use Case II: View Event by Month or Day

Step	User's Action	System's Response
1	The user Enters [V] to view an event	
2		System prompts use to Select a view by option: [D]ay View [M]onth view
3	The user enters [D] or [M] for specific view	
4		System Displays the event month/day view with specific delimiters
5		System then prompts [P]revious or [N]ext or [G]o back to the main menu? options
6	The user enters [P] OR The user enters [N] OR The user enters [G]	
7		[System displays the previous month/day view] OR [System displays event on next day if it exists] OR [System displays the main menu of the system]

Use Case III: Delete a Selected event

Step	User's Action	System's Response
1	The user enters [D] to delete an event	
2		System prompts user to select [S]electd [A]ll [DR]
3	The user enters [S]	
4		System Prompts enter the date of the event to DELETE in yyyy-MM-dd format:
5	The user enters the date of the event to delete in format	
6		System displays all the events scheduled on that day
7		System asks user to Enter the name of the event to delete:
8	The user enters the name of the event from the displayed list	
		System removes the event from the Calendar's list of scheduled events
9		System prompts: event has been successfully deleted

Use Case IV: Go to an event by date

Step	User's Action	System's Response
1	The user enters [G] to go to an event at a particular date	
2		System prompts user to enter the date of the event in YYYY-MM-dd:
3	The user enters the desired date	
4		System displays all the events scheduled on that day, sorted by time
5		System displays main menu

Use Case V: Event List

Step	User's Action	System's Response
1	The user presses [E] to get a list of all scheduled events	
2		System displays all scheduled events in order: One Time Events: Recurring Events:
3		System displays the main menu

A set of CRC cards

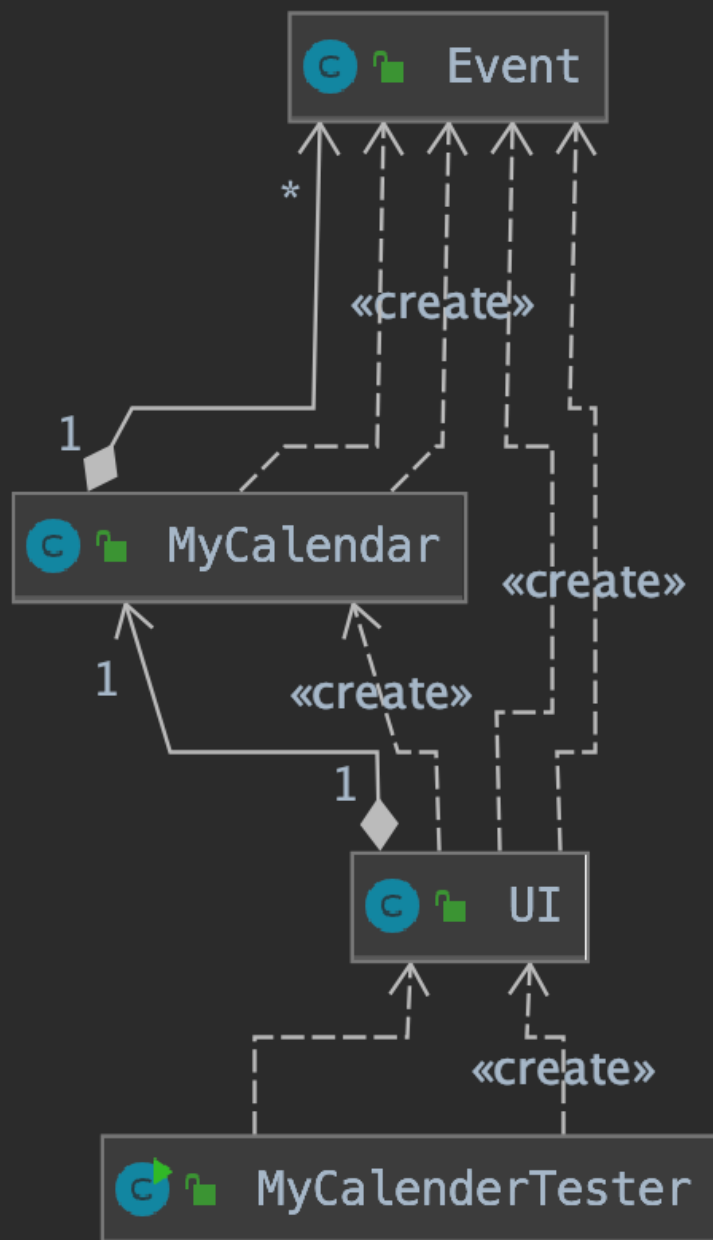
MyCalendar Class	
<p>Is a Calendar,</p> <p>Handles all the back-end functioning of methods/operations.</p> <p>Manages the list of events schedules,</p> <p>Some Methods: Creates Events, View Event, Deletes Event, Go to Event, Display Event.</p>	<p>Event</p> <p>MyCalendarTester</p> <p>UI</p>

Event Class	
<p>Creates Event Object</p> <p>Event stores event information: Name, start date, end date, start time, end time, recurring T/F, Recurring days.</p>	<p>MyCalendar</p> <p>UI</p>

MyCalendarTester Class	
<p>Program Launcher Class</p> <p>Has the main method</p> <p>Creates a UI instance and calls the main menu.</p>	<p>UI</p>

UI	
<p>Manages User interaction and validates user input</p> <p>Calls appropriate methods in the MyCalendar class for specific functions</p>	<p>MyCalendar</p> <p>Event</p>

UML CLASS DIAGRAM:



Sequence Diagram: Create New Event Use Case

