

Feature Testing

Cai, Zelin

Silvestre, Patrick

1 Calendar - Add Event as Student (Simplified Version)

1.1 Input Domain

The input domain of this features includes the title of the event, a date, a starting time, a ending time, a location, and a calendar. The input domain can be partitioned: e.g. one partition for title, one partition for date, etc.

The image shows a dark-themed 'Edit Event' modal window. At the top, there's a title bar with 'Edit Event' and a close button. Below it, a tab bar shows 'Event' and 'My To Do'. The main form contains several input fields: 'Title' with a text box; 'Date' with a date picker showing '2020-04-30' and a calendar icon; 'From' with two time pickers both set to '12:00am' and a 'to' label between them; 'Location' with a text box; and 'Calendar' with a dropdown menu showing 'Patrick Silvestre'. At the bottom right, there are two buttons: 'More Options' and a blue 'Submit' button.

Figure 1: Add Event Interface

1.1.1 Title

The input domain of the input title is a string, which may be empty.

1.1.2 Date

The input domain of the date is a string in the format **YYYY-MM-DD**, where **YYYY** represents a year, **MM** represents a month, and **DD** represents a day. The month and day fields need not be padded with zeros. Alternatively, a user can opt to input a date using a GUI in the form of a calendar.

1.1.3 Starting Time

The input domain of the starting time is a string in the format **HH:MMxx**, where **HH** represents hours, **MM** represents minutes, and **xx** represents AM or PM (case insensitive). The hour and minute fields need not be padded with zeros.

1.1.4 Ending Time

The input domain of the ending time is a string in the format **HH:MMxx**, where **HH** represents hours, **MM** represents minutes, and **xx** represents AM or PM (case insensitive). The hour and minute fields need not be padded with zeros.

1.1.5 Location

The input domain of the input title is a string, which may be empty.

1.1.6 Calendar

The input domain of the calendar is a list of the user's calendars, of which one can be selected.

1.2 Test Cases

TC #	Input	Expected Output	Actual Output	Tess Pass/Fail
1	<ul style="list-style-type: none"> • title: (empty) • date: 2020-5-2 • starting time: 12:00am • ending time: 12:00am • location: (empty) • calendar: Patrick Silvestre • UI: press submit button 	Patrick Silvestre's calendar displays Untitled event on 2020-5-2. Event has no starting nor ending time (all-day event)	See figure 2.	Pass
2	<ul style="list-style-type: none"> • title: Test • date: 2020-5-2 • starting time: 12:00am • ending time: 12:00am • location: Test • calendar: Patrick Silvestre • UI: press submit button 	Patrick Silvestre's calendar displays Test event on 2020-5-2 with Test location. Event has no starting nor ending time (all-day event).	See figure 3.	Pass
3	<ul style="list-style-type: none"> • title: (empty) • date: 2020-5-2 • starting time: 12:00pm • ending time: 1:00pm • location: (empty) • calendar: Patrick Silvestre • UI: press submit button 	Patrick Silvestre's calendar displays Test event on 2020-5-2 with test location. Event has starting time 12:00pm and ending time 1:00pm).	See figure 4.	Pass
4	<ul style="list-style-type: none"> • title: Test • date: 2020-4-25 • starting time: 12:00am • ending time: 12:00am • location: Test • calendar: Patrick Silvestre • UI: press submit button 	Patrick Silvestre's calendar displays Test event on 2020-4-25 with test location. Event has no starting nor ending time (all-day event).	See figure 5.	Pass
5	<ul style="list-style-type: none"> • title: Test • date: 2020-4-25 • starting time: 12:00pm • ending time: 11:00am • location: Test • calendar: Patrick Silvestre • UI: press submit button 	Add Event interface warns user that event ends before it starts and prevents user from submitting event.	System automatically adjusts either starting or ending time to prevent invalid times with no warning, implicitly allowing user to submit event. See figure 6.	Fail

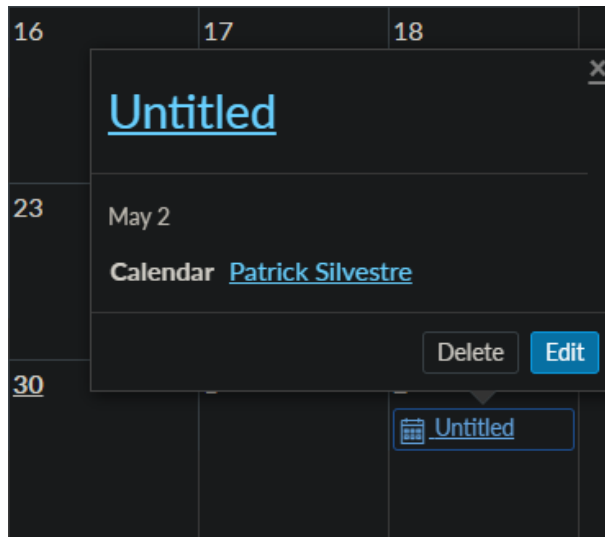


Figure 2: TC-01 actual output

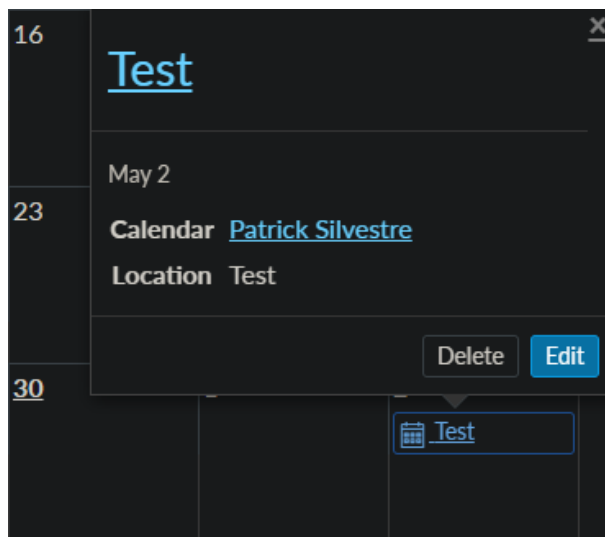


Figure 3: TC-02 actual output

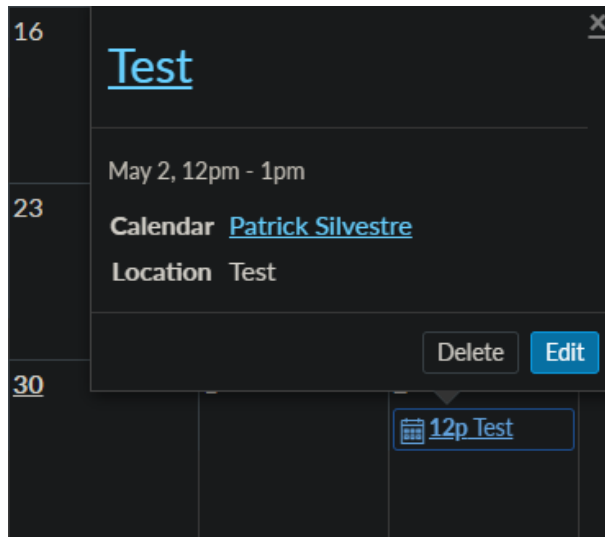


Figure 4: TC-03 actual output

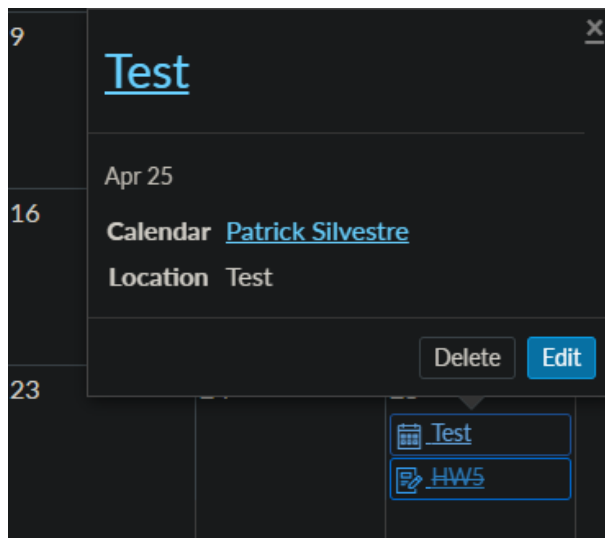


Figure 5: TC-04 actual output

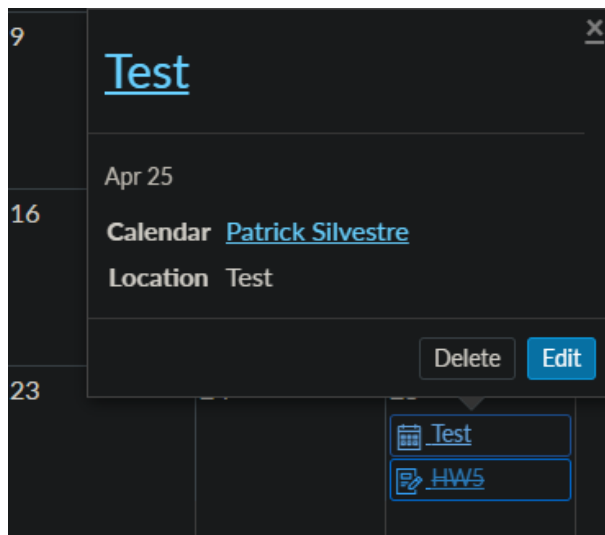
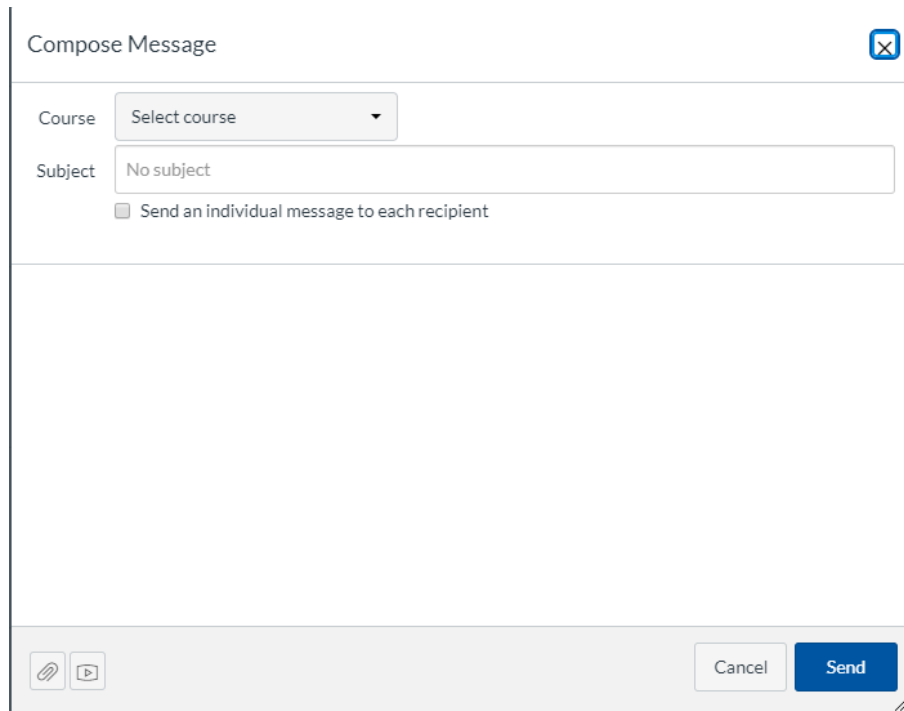


Figure 6: TC-04 actual output

2 Inbox - Composing a Message

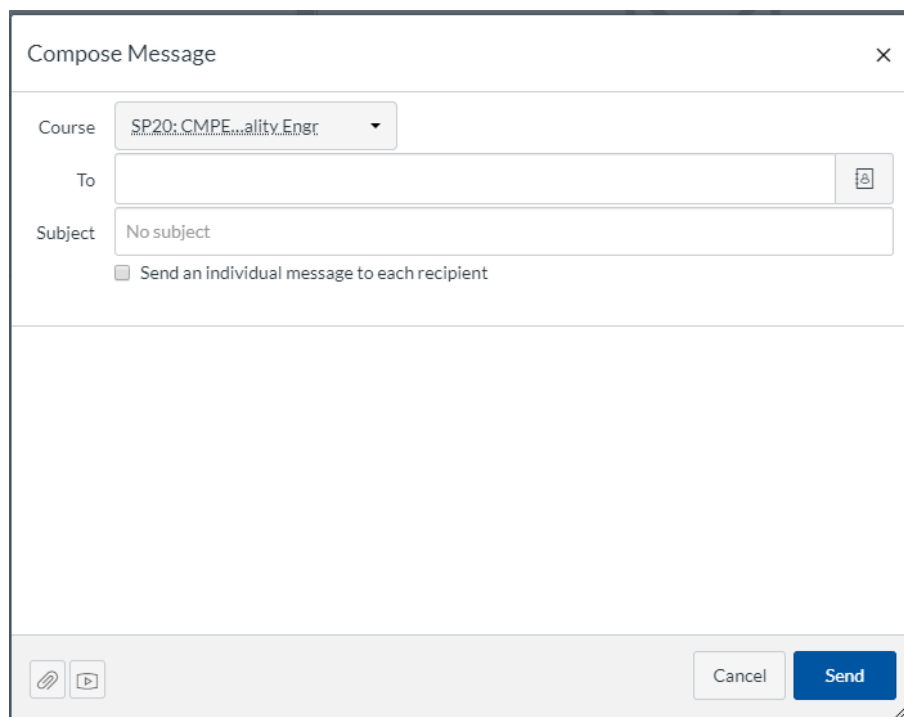
2.1 Input Domain

The input domain for the composing a message includes the Course section, the message recipients (only available after selecting the Course section), the subject of the message, the body of the message, any attachments the user wants to add to the message, and the option to send a different message to each recipient (This option will not be covered in the test cases). Most of the input domain can be partitioned (One for the subject, one for the attachments, etc.) except for selecting the message recipient because the user must select a course before they can select their recipients.



The image shows a 'Compose Message' dialog box. At the top, the title 'Compose Message' is on the left and a close button (X) is on the right. Below the title bar, there is a 'Course' section with a dropdown menu currently showing 'Select course'. Underneath the course dropdown is a 'Subject' text input field containing the placeholder text 'No subject'. Below the subject field is a checkbox labeled 'Send an individual message to each recipient', which is currently unchecked. The main body of the dialog is a large empty text area for the message content. At the bottom, there is a footer bar containing an attachment icon (paperclip) and a video icon (play button) on the left, and 'Cancel' and 'Send' buttons on the right.

Figure 7: Before selecting a course



The image shows the same 'Compose Message' dialog box, but now the 'Course' dropdown menu is populated with the text 'SP20: CMPE...ality Ener'. A new 'To' field has appeared below the course dropdown, containing an empty text input field and a recipient selection icon (person with a plus sign). The 'Subject' field still contains 'No subject', and the 'Send an individual message to each recipient' checkbox remains unchecked. The footer bar with attachment, video, 'Cancel', and 'Send' buttons is still present at the bottom.

Figure 8: After selecting a course

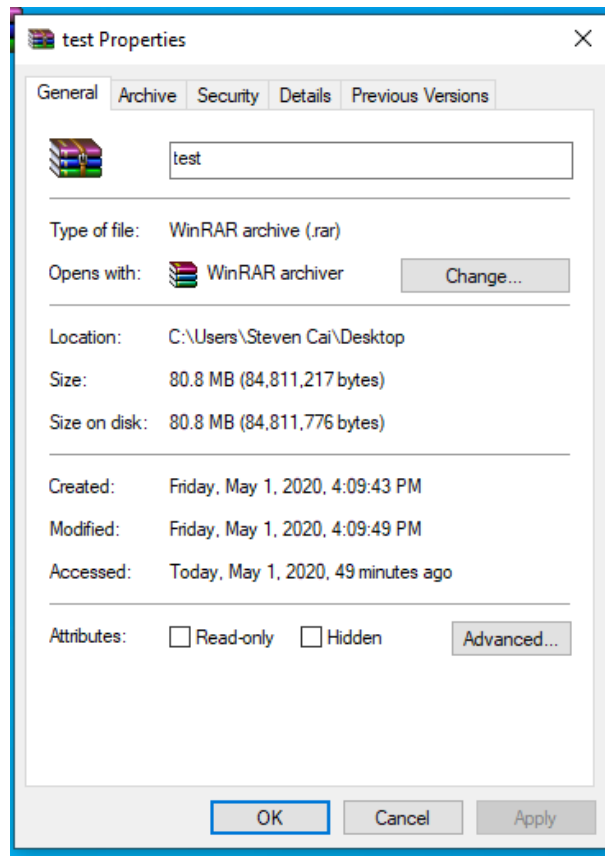


Figure 9: Attachment to be used in all applicable tests

2.1.1 Course

The input domain is a selection from a list of courses that the user is currently enrolled in.

2.1.2 To

The input domain is a selection from a list of users that are in the selected course.

2.1.3 Subject

The input domain is a string input.

2.1.4 Message Body

The input domain is a string input.

2.1.5 Attachments

The input domain is a file either from the user's files on Canvas or on their computer.

2.2 Test Cases

TC #	Input	Expected Output	Actual Output	Tess Pass/Fail
6	<ul style="list-style-type: none"> • course: CMPE-187 • to: (empty) • subject: Test1 • message: Hello there • attachments: (empty) 	Canvas informs user that recipient is invalid.	See figure 10.	Pass
7	<ul style="list-style-type: none"> • course: CMPE-187 • to: Zelin Cai • subject: Test2 • message: (empty) • attachments: (empty) 	Canvas sends the message normally	See figure 11.	Fail
8	<ul style="list-style-type: none"> • course: CMPE-187 • to: Zelin Cai • subject: (empty) • message: Test Case 3 • attachments: (empty) 	Canvas sends the message normally	Canvas outputs message title "(No Title)". See figure 12.	Pass
9	<ul style="list-style-type: none"> • course: CMPE-187 • to: Zelin Cai • subject: Test4 • message: Testing Case 4 • attachments: A .rar file, approximately 80MB 	Canvas informs the user that the file is too large for attachment.	Canvas sends message after about 10 minutes. See figure 13.	Fail
10	<ul style="list-style-type: none"> • course: (empty) • to: (empty) • subject: Test5 • message: Testing Case 5 • attachments: (empty) 	Canvas informs user that the course selection is invalid.	Canvas output is identical to TC-06. See figure 14.	Fail

Compose Message

Invalid recipient name.

Course: SP20: CMPE...ality Engr

To: [Empty field]

Subject: Test1

☐ Send an individual message to each recipient

Hello there

[Attach] [Video]

Cancel Send

Figure 10: TC-06 actual output

Compose Message

Course: SP20: CMPE...ality Engr

To: Zelin Cai

Subject: Test2

☐ Send an individual message to each recipient

Required field

[Empty text area]

[Attach] [Video]

Cancel Send

Figure 11: TC-07 actual output

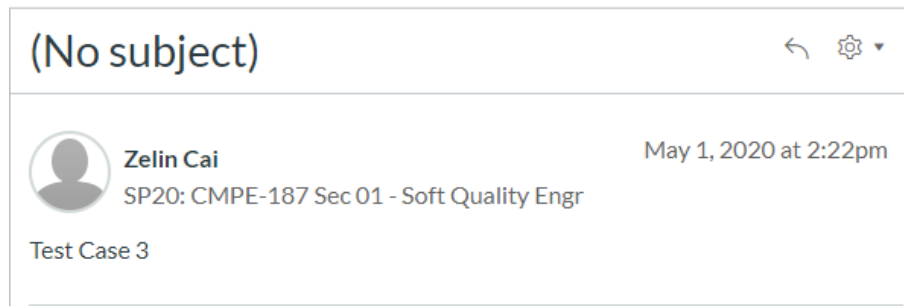


Figure 12: TC-08 actual output



Figure 13: TC-09 actual output

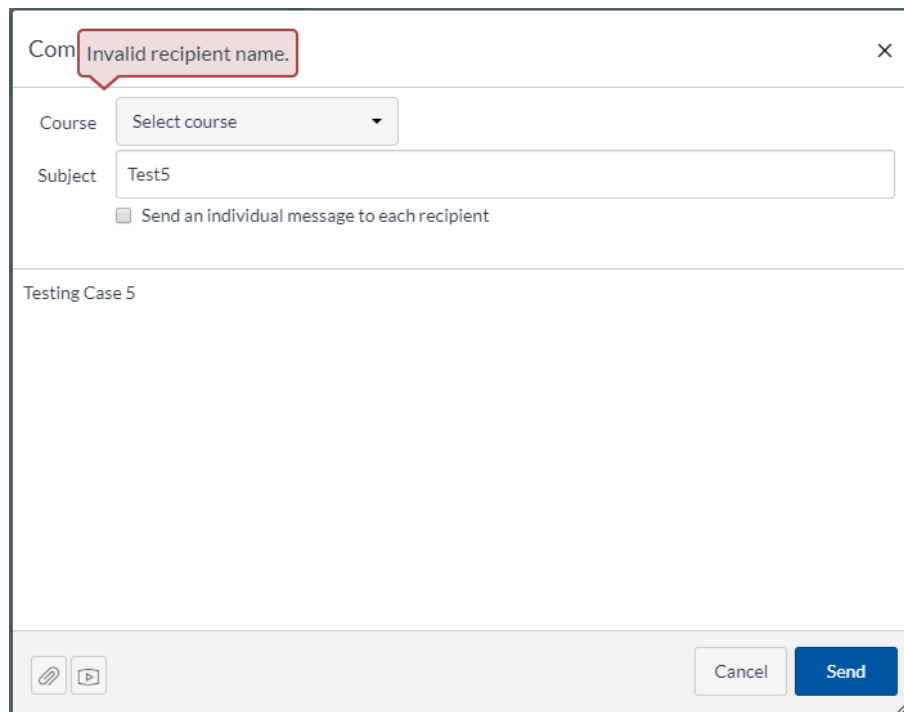


Figure 14: TC-10 actual output