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.

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	- 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	- 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	- 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	- 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	- 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
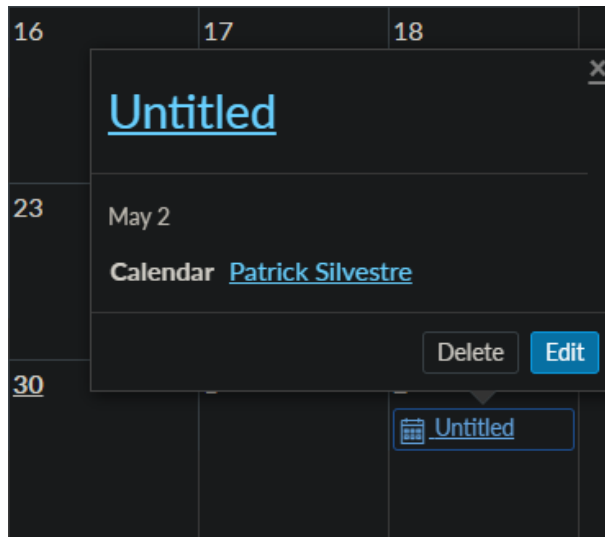
Figure 2: TC-01 actual output

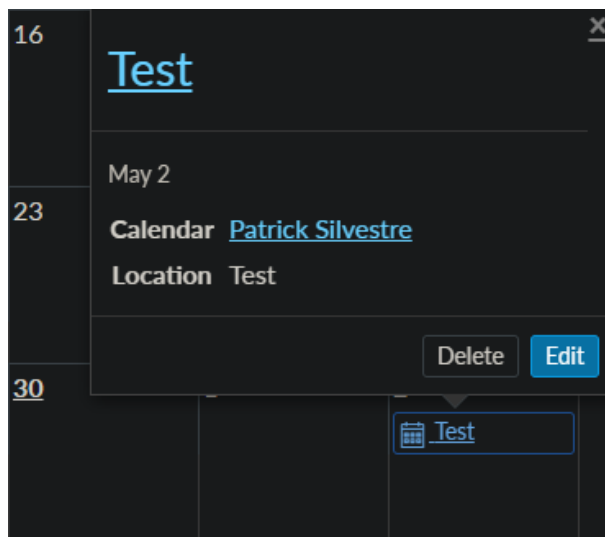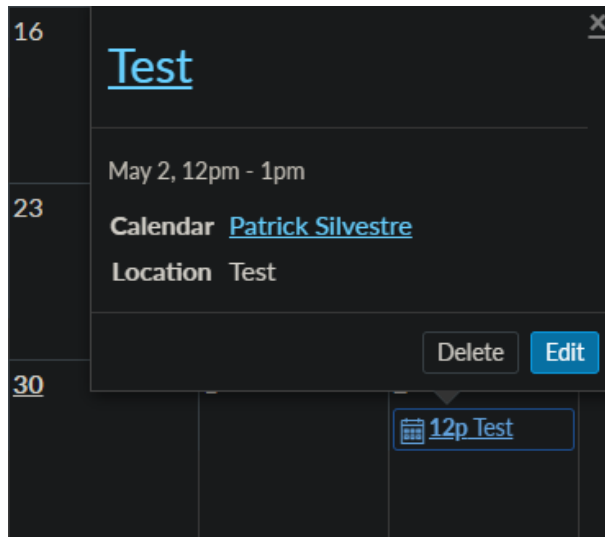
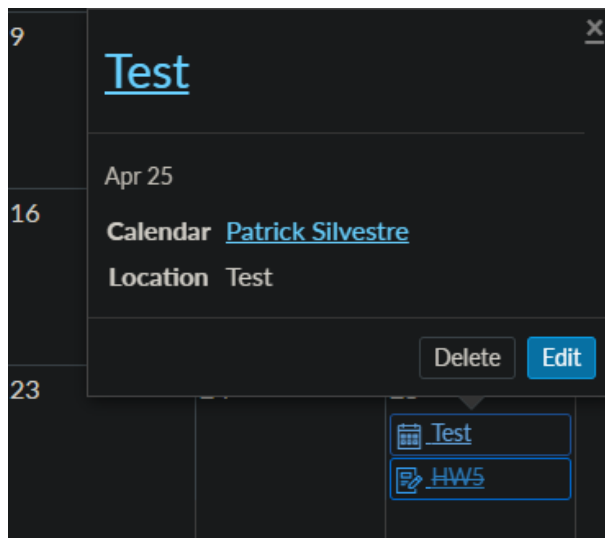Figure 3: TC-02 actual output

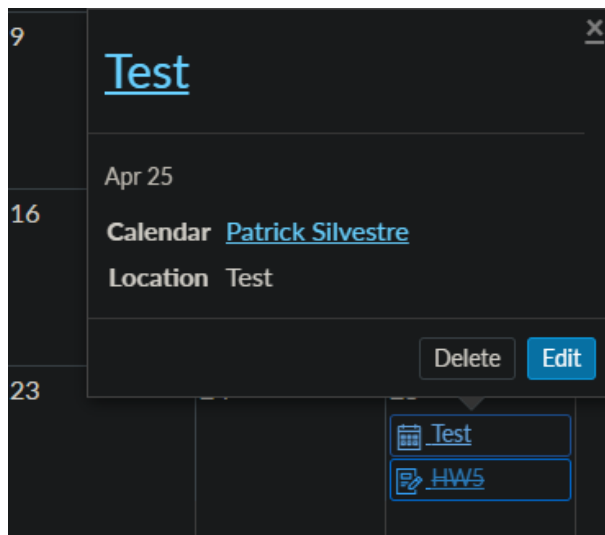Figure 4: TC-03 actual output
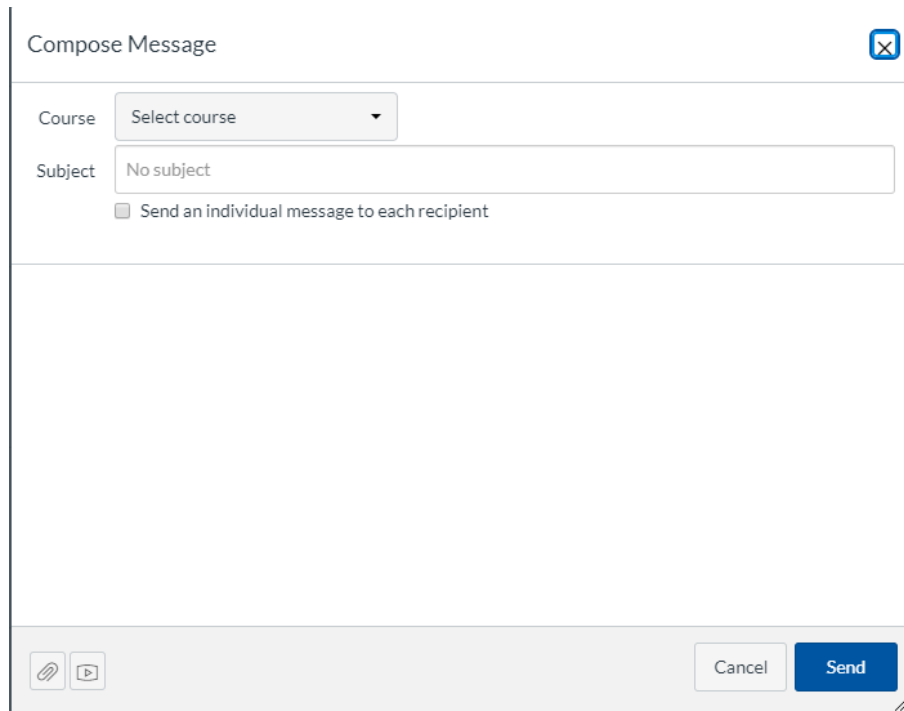

Figure 5: TC-04 actual output

Figure 6: TC-04 actual output
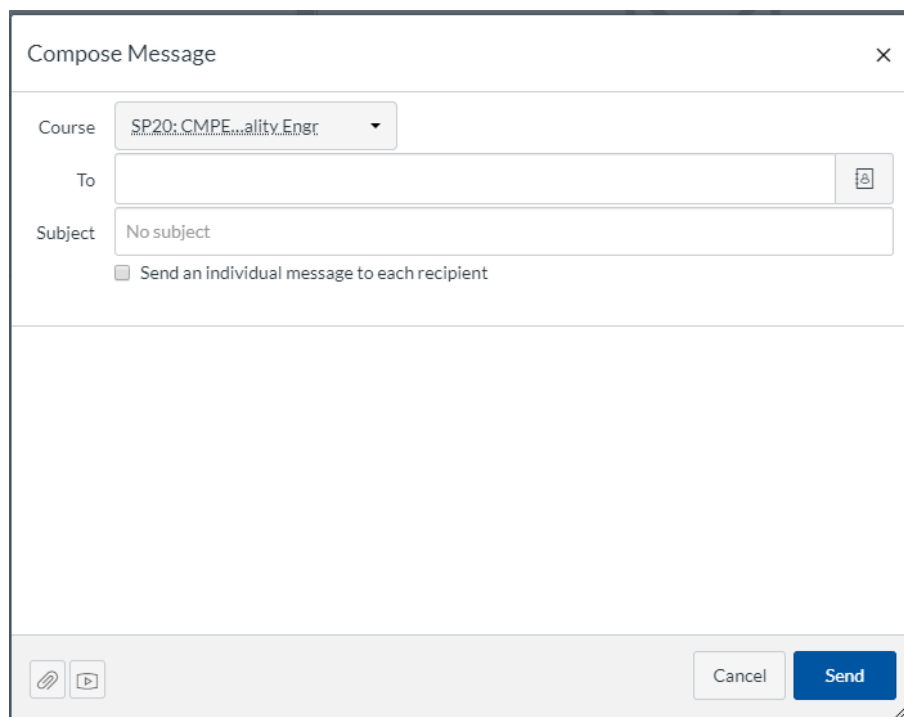
2 Inbox - Composing a Message

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.

Figure 7: Before selecting a course

Figure 8: After selecting a course
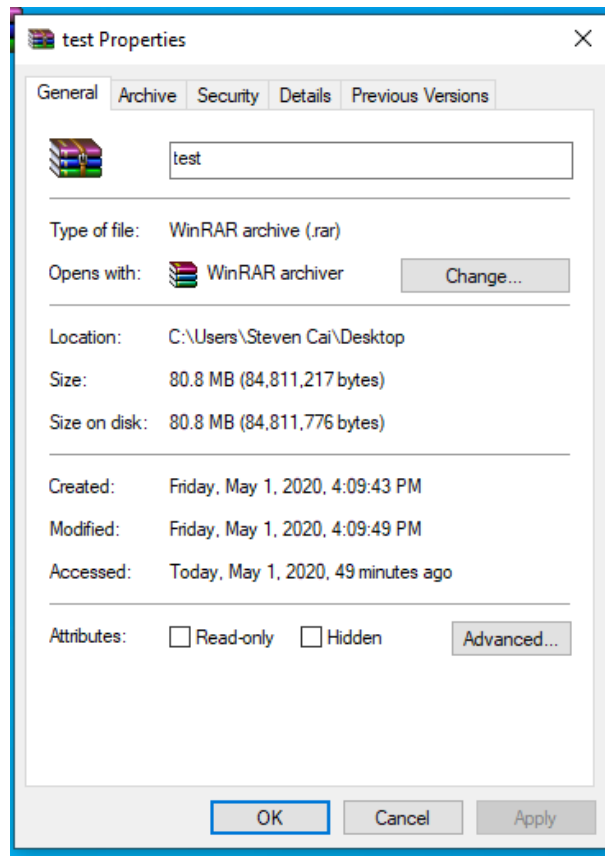
Figure 9: Attachment to be used in all applicable tests

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	- course: CMPE-187 - to: (empty) - subject: Test1 - message: Hello there - attachments: (empty)	Canvas informs user that recipient is invalid.	See figure 10.	Pass
7	- course: CMPE-187 - to: Zelin Cai - subject: Test2 - message: (empty) - attachments: (empty)	Canvas sends the message normally	See figure 11.	Fail
8	- 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	- 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	- 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

Figure 10: TC-06 actual output

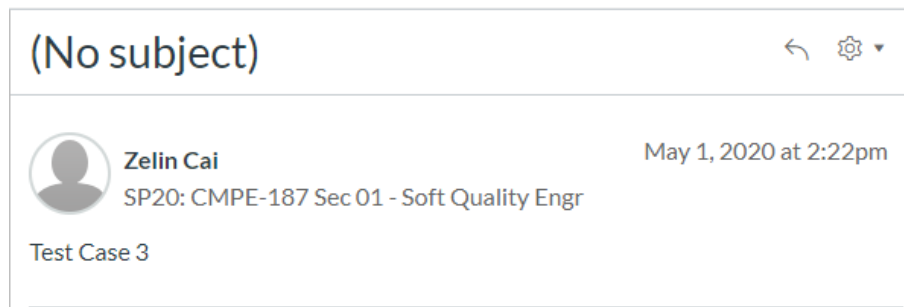Figure 11: TC-07 actual output

Figure 12: TC-08 actual output
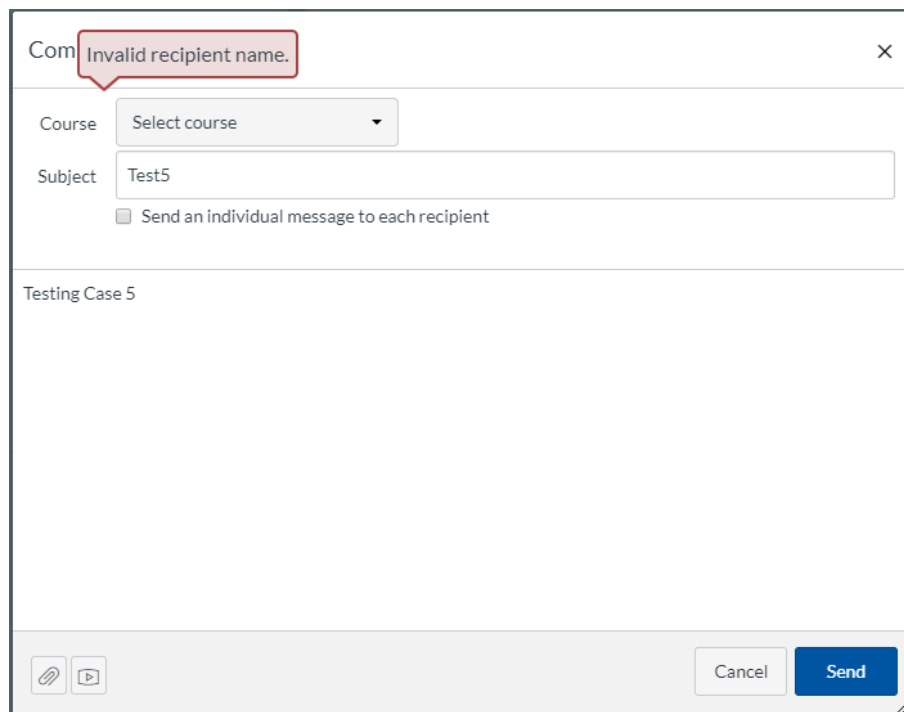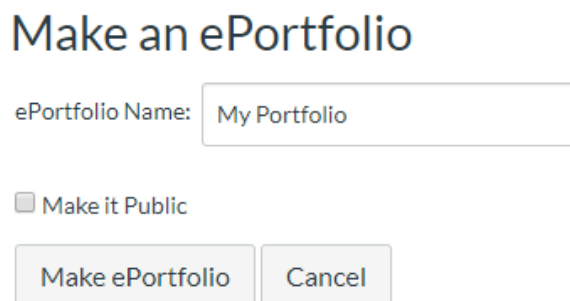

Figure 13: TC-09 actual output

Figure 14: TC-10 actual output
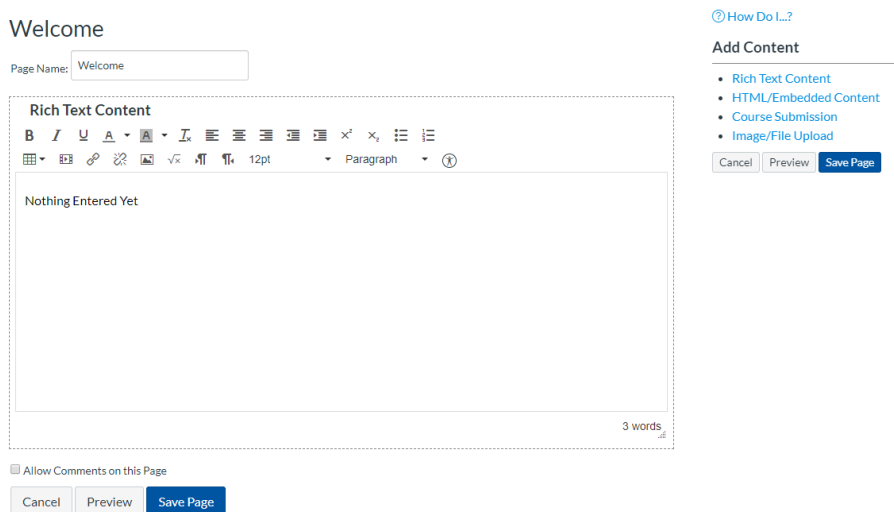
3 ePortfolios - ePortfolio Management

3.1 Input Domain

The test cases will focus on creating and managing pages in an ePortfolio. This gives us a bigger input since creating a portfolio and a page in a portfolio take different inputs. The input domain for making a new ePortfolio online consists of the ePortfolio name and an option to make it public or not. When managing an ePortfolio page, the input domain includes the page name, rich text, HTML/embedded content, course submission (not testing this), image/file upload and the body for each of these inputs except image/file upload.

Figure 15: Creating an ePortfolio

Figure 16: Creating a page inside an ePortfolio

3.1.1 ePortfolio Name

The input domain is a string input.

3.1.2 Page Name

The input domain is a string input.

3.1.3 Rich Text

The input domain is a string input.

3.1.4 `HTML`/Embedded

The input domain is `HTML` markup or a similar markup language.

3.1.5 Image/File

The input domain is either an image or a file from the user's files or computer.

3.2 Test Cases

TC #	Input	Expected Output	Actual Output	Tess Pass/Fail
11	- ePortfolio-name: (empty) - page name: (n/a) - rich text: (n/a) - HTML/embedded: (n/a) - image/file: (n/a)	Canvas does not create ePortfolio.	See figure 17.	Pass
12	- ePortfolio-name: test - page name: (empty) - rich text: Testing Case 2 - HTML/embedded: (empty) - image/file: (empty)	Canvas notifies user a page title is required.	Canvas creates the page with no warnings. See figure 18.	Fail
13	- ePortfolio-name: test - page name: Testing Case 3 - rich text: (empty) - HTML/embedded: (empty) - image/file: (empty)	Canvas creates the page, displaying only the title.	Leaving text blank reverts it to its previous text. See figure 19.	Fail
14	- ePortfolio-name: test - page name: Testing Case 4 - rich text: (empty) - HTML/embedded: "Definitely not HTML code." - image/file: (empty)	Canvas displays nothing (invalid HTML code).	Canvas treats input as rich text. See figure 20.	Fail
15	- ePortfolio-name: test - page name: Testing Case 5 - rich text: (empty) - HTML/embedded: (empty) - image/file: A .rar file, approximately 80 MB.	Canvas informs the user that the file is too large for upload.	Canvas uploads the file after a few minutes. Upload duration was shorter than TC-09. See figure 21.	Fail

Make an ePo **Name is required**

ePortfolio Name: |

☐ Make it Public

Make ePortfolio   Cancel

Figure 17: TC-11 actual output

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test
Zelin Cai

Home

- Organize Sections
- ePortfolio Settings

Testing Case 2

? How Do I...?

Home   *Organize/Manage Pages*

Pages for this section

Welcome

Edit This Page

← Back to Portfolio Dashboard

Figure 18: TC-12 actual output

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test
Zelin Cai

Home

- Organize Sections
- ePortfolio Settings

Testing Case 3

Testing Case 2

? How Do I...?

Home   *Organize/Manage Pages*

Pages for this section

Welcome

Testing Case 3

Edit This Page

← Back to Portfolio Dashboard

Figure 19: TC-13 actual output

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test
Zelin Cai

Home

- Organize Sections
- ePortfolio Settings

Testing Case 4

Definitely not HTML code.

Page Comments

No Comments

? How Do I...?

Home   *Organize/Manage Pages*

Pages for this section

Welcome

Testing Case 4

Edit This Page

← Back to Portfolio Dashboard

Figure 20: TC-14 actual output

test
Zelin Cai

Home

- Organize Sections
- ePortfolio Settings

Testing Case 5

Click here to download test.rar

Home   *Organize/Manage Pages*

Pages for this section

Welcome

Testing Case 5

✎ Edit This Page

← Back to Portfolio Dashboard

Figure 21: TC-15 actual output