CS 3354.007 | Software Engineering
Group 11
Prof: Dr. Priya Narayanasami
December 2, 2024

Members:
Lana Tran (LXT210009),
Anish Velala (AXV210079),
Agnus Thomas (AXT210102),
Shyam Venkatesan (SXV220154),
Minh Vu (AMV220003)

Phase 5

Test Cases

Use Case: Event Search

Input Identification

Input Element	Type	Value Specification	Valid	Invalid	Exceptional
User Event Search	String	Must be unique and between 1 - 50 characters	Length between 1 - 50 characters	Empty string or length > 50	Escape / Special / Control Characters
Search Between Starting Date	Date	Must be valid date and valid format (YYYY-MM-DD) and before or equal to search between ending date	Valid date format (YYYY-MM-DD) and before or equal to ending date	Invalid date format or after ending date	Escape / Special / Control Characters
Search Between Ending Date	Date	Must be valid date and after or equal to search between ending date	Valid date format and after or equal to starting date	Invalid date format or before starting date	Escape / Special / Control Characters

Use Case Based Test Cases/Corresponding Outputs

Test Case	User Event Search	Starting Date	Ending Date	Output

1	Valid	Valid	Valid	Events objects between the dates and searched by name
2	Valid	Invalid (Can't have one or the other be only valid)	Invalid (Can't have one or the other be only valid)	Message display to user, error with search dates
3	Invalid	Valid	Valid	Message display to user, error with search input
4	Valid	Valid	Exception	Message display to user, error with search dates
5	Valid	Exception	Valid	Message display to user, error with search dates
6	Exception	Valid	Valid	Message display to user, error with search input

Concrete Test Cases and Values

Test Case				
1	"Social Night"	2024-12-2	2024-12-6	Events objects between the dates and searched by name
2	"Social Night"	2024-12-6	2024-12-2	Message display to user, error with search dates
3	""	2024-12-2	2024-12-6	Message display to user, error with search input
4	"Social Night"	2024-12-2	2024-64-6	Message display

				to user, error with search dates
5	"Social Night"	2024-64-6	2024-12-6	Message display to user, error with search dates
6	"\n"	2024-12-2	2024-12-6	Message display to user, error with search input

Use Case: Member Search

Input Identification

Input Element	Type	Value Specification	Valid	Invalid	Exceptional
Name	String	Needs to be 1-25 characters long	Length is between 1 -25 characters long	Empty string, or string with length > 25	Escape / Special / Control Characters
Classification	String	"Undergrad", "Graduate", "Faculty", "Other"	The 4 defined values	Any other input that doesn't match	Escape / Special / Control Characters

Use Case Based Test Cases/Corresponding Outputs

Test Case	Name	Classification	Expected outcome
1	Valid	Valid	A list of members that have similar or exact name(s) and classification like the search query
2	Invalid	Valid	A popup that states that it is an invalid name search query
3	Exceptional	Valid	A popup that states

			that the search query has invalid characters
4	Valid	Invalid	A popup that states that it is an invalid classification search query
5	Valid	Exceptional	A popup that states that the classification search query has invalid characters

Concrete Test Cases and Values

Test Case	Name	Classification	Expected outcome
1	"Jane"	"Undergrad"	A list of members that have similar or exact name(s) and classification like the search query
2	"111111111111111111111111"	"Undergrad"	A popup that states that it is an invalid name search query
3	"\n"	"Undergrad"	A popup that states that the search query has invalid characters
4	"Jane"	"Customer"	A popup that states that it is an invalid classification search query
5	"Jane"	"\t"	A popup that states that the classification search query has invalid characters

Github
UTD-Fall-2024-Sec-7/Group-11 at Phase-5

Test Case Passing

```
PS C:\Users\shyam\OneDrive\Documents\CS 3354 Group 11 Project Official\PHP Use Case Testing> vendor/bin/phpunit
   PHPUnit 11.4.3 by Sebastian Bergmann and contributors.

Runtime:       PHP 8.3.12
Configuration: C:\Users\shyam\OneDrive\Documents\CS 3354 Group 11 Project Official\PHP Use Case Testing\phpunit.xml

......................                                           23 / 23 (100%)

Time: 00:00.050, Memory: 8.00 MB

OK (23 tests, 31 assertions)
PS C:\Users\shyam\OneDrive\Documents\CS 3354 Group 11 Project Official\PHP Use Case Testing>
```