Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fail
Requirement **3.3.3.4**: User can submit a request						
TC01	Check "Nickname", "#People", "Address" with empty data	1.Go to request form 2.Leave 'Nickname' empty 3.Leave '#People' empty 4.Leave 'Address' empty 5. Click 'submit'	Nickname : empty #People : empty Address : empty	Alert: You must fill all information	As expected	Pass
TC02	Check "Nickname" with valid data, "#Peple" and "Address" with empty data	1.Go to request form 2.Enter 'Nickname' 3.Leave '#People' empty 4.Leave 'Address' empty 5. Click 'submit'	Nickname = John #People : empty Address : empty	Alert: You must fill all information	As expected	Pass
TC03	Check "#People" with valid data, "Nickname" and "Address" with empty data	1.Go to request form 2.Leave 'Nickname' empty 3.Enter '#People' 4.Leave 'Address' empty 5. Click 'submit'	Nickname : empty #People = 2 Address : empty	Alert: You must fill all information	As expected	Pass
TC04	Check "Address" with valid data, "Nickname" and "Address" with empty data	1.Go to request form 2.Leave 'Nickname' empty 3.Leave '#People' empty 4.Enter 'Address' 5. Click 'submit'	Nickname : empty Address = Davis Nickname : empty	Alert: You must fill all information	As expected	Pass
TC05	Check "Nickname" and "#People" with valid data, "Address" with empty data	1.Go to request form 2.Enter 'Nickname' 3.Enter '#People' 4.Leave 'Address' empty 5. Click 'submit'	Nickname = John #People = 2 Address : empty	Alert: You must fill all information	As expected	Pass

TC06	Check "Nickname" and "Address" with valid data, "#People" with empty data	1.Go to request form
		2.Enter 'Nickname'
		3.Leave '#People' empty
		4.Enter 'Address'
		5. Click 'submit'
			Nickname = John
			#People : empty
			Address = Davis
				Alert: You must fill all information	As expected	Pass

TC07	Check "People" and "Address" with valid data, "Nickname" with empty data	1.Go to request form
		2.Leave 'Nickname' empty
		3.Enter '#People'
		4.Enter 'Address'
		5. Click 'submit'
			Nickname : empty
			#People = 2
			Address = Davis
				Alert: You must fill all information	As expected	Pass

TC08	Check "Nickname", "#People", "Address" with valid data	1.Go to request form
		2.Enter 'Nickname'
		3.Enter '#People'
		4.Enter 'Address'
		5. Click 'submit'
			Nickname = John
			#People = 2
			Address = Davis
				Alert: John is going to be picked up a	As expected	Pass

TC09	Test invalid character in "Nickname" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with '!'
		3.Fill #People with 2
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = !
			#People = 2
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC10	Test invalid character in "Nickname" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with '+adc'
		3.Fill #People with 2
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = +adc
			#People = 2
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC11	Test invalid character in "Nickname" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with 'adc:'
		3.Fill #People with 2
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = adc:
			#People = 2
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC12	Test invalid character in "Nickname" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with 'a?c'
		3.Fill #People with 2
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = a?c
			#People = 2
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC13	Test invalid character in "Nickname" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with 'A%d'
		3.Fill #People with 2
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = A%d
			#People = 2
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC14	Test invalid character in "Nickname" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with 'a//a'
		3.Fill #People with 2
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = a//a
			#People = 2
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC15	Test invalid character in "Nickname" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with '\\aa'
		3.Fill #People with 2
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = \\aa
			#People = 2
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC16	Test invalid character in "#People" while keeping "Nickname" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with "a"
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = John
			#People = a
			Address = Davis
				Alert: Please enter a valid number for	As expected	Pass

TC17	Test invalid character in "#People" while keeping "Nickname" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with "g2"
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = John
			#People = g2
			Address = Davis
				Alert: Please enter a valid number for	As expected	Pass

TC18	Test invalid character in "#People" while keeping "Nickname" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with "2L"
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = John
			#People = 2L
			Address = Davis
				Alert: Please enter a valid number for	As expected	Pass

TC19	Test invalid character in "#People" while keeping "Nickname" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with "M"
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = John
			#People = M
			Address = Davis
				Alert: Please enter a valid number for	As expected	Pass

TC20	Test invalid character in "#People" while keeping "Nickname" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with "c"
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = John
			#People = c
			Address = Davis
				Alert: Please enter a valid number for	As expected	Pass

TC21	Test invalid character in "#People" while keeping "Nickname" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with "$"
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = John
			#People = $
			Address = Davis
				Alert: Please enter a valid number for	As expected	Pass

TC22	Test invalid character in "#People" while keeping "Nickname" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with "*"
		4.Fill Address with "Davis"
		5.Click 'submit'
			Nickname = John
			#People = *
			Address = Davis
				Alert: Please enter a valid number for	As expected	Pass

TC23	Test invalid character in "Address" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with 2
		4.Fill Address with "!"
		5.Click 'submit'
			Nickname = John
			#People = 2
			Address = !
				Alert: Invalid character in Address	As expected	Pass

TC24	Test invalid character in "Address" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with 2
		4.Fill Address with "Davis%"
		5.Click 'submit'
			Nickname = John
			#People = 2
			Address = Davis%
				Alert: Invalid character in Address	As expected	Pass

TC25	Test invalid character in "Address" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with 2
		4.Fill Address with "(Davis"
		5.Click 'submit'
			Nickname = John
			#People = 2
			Address = (Davis
				Alert: Invalid character in Address	As expected	Pass

TC26	Test invalid character in "Address" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with 2
		4.Fill Address with "D}avis"
		5.Click 'submit'
			Nickname = John
			#People = 2
			Address = D}avis
				Alert: Invalid character in Address	As expected	Pass

TC27	Test invalid character in "Address" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with 2
		4.Fill Address with "|"
		5.Click 'submit'
			Nickname = John
			#People = 2
			Address = |
				Alert: Invalid character in Address	As expected	Pass

TC28	Test invalid character in "Address" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with 2
		4.Fill Address with ":"
		5.Click 'submit'
			Nickname = John
			#People = 2
			Address = :
				Alert: Invalid character in Address	As expected	Pass

TC29	Test invalid character in "Address" while keeping "#People" and "Address" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with 2
		4.Fill Address with "?"
		5.Click 'submit'
			Nickname = John
			#People = 2
			Address = ?
				Alert: Invalid character in Address	As expected	Pass

TC30	Test invalid characters in both "Nickname" and "#People" while keeping "Address" valid	1.Go to request form
		2.Fill Nickname with "!"
		3.Fill #People with "!"
		4.Fill Address with Davis
		5.Click 'submit'
			Nickname = !
			#People = !
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC31	Test invalid characters in both "Nickname" and "#People" while keeping "Address" valid	1.Go to request form
		2.Fill Nickname with "?"
		3.Fill #People with A
		4.Fill Address with Davis
		5.Click 'submit'
			Nickname = ?
			#People = A
			Address = Davis
				Alert: Invalid character in Name	As expected	Pass

TC33	Test invalid characters in both "Nickname" and "Address" while keeping "#People" valid	1.Go to request form
		2.Fill Nickname with "@"
		3.Fill #People with 2
		4.Fill Address with "-"
		5.Click 'submit'
			Nickname = @
			#People = 2
			Address = -
				Alert: Invalid character in Name	As expected	Pass

TC34	Test invalid characters in both "Nickname" and "Address" while keeping "#People" valid	1.Go to request form
		2.Fill Nickname with "="
		3.Fill #People with 2
		4.Fill Address with "{"
		5.Click 'submit'
			Nickname = =
			#People = 2
			Address = {
				Alert: Invalid character in Name	As expected	Pass

TC36	Test invalid characters in both "#People" and "Address" while keeping "Nickname" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with w
		4.Fill Address with "}"
		5.Click 'submit'
			Nickname = John
			#People = w
			Address = }
				Alert: Please enter a valid number for	As expected	Pass

TC37	Test invalid characters in both "#People" and "Address" while keeping "Nickname" valid	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with &
		4.Fill Address with ";"
		5.Click 'submit'
			Nickname John
			#People = &
			Address = ;
				Alert: Please enter a valid number for	As expected	Pass

TC38	Test invalid characters in "Nickname", "#People", "Address"	1.Go to request form
		2.Fill Nickname with @_@
		3.Fill #People with ^o^
		4.Fill Address with >^<
		5.Click 'submit'
			Nickname @_@
			#People = ^o^
			Address = >^<
				Alert: Invalid character in Name	As expected	Pass

TC39	Test valid characters in "Nickname", "#People", "Address" and cancel request	1.Go to request form
		2.Fill Nickname with John
		3.Fill #People with 3
		4.Fill Address with Davis
		5.Click 'submit'
		6.Click Cancel
			Nickname John
			#People = 3
			Address = Davis
				Back to the "Colby College Jitney' pa	As expected	Pass

TC40	Test valid characters in "Nickname", "#People", "Address" and confirm request	1.Go to request form
		2. Fill Nickname with John
		3. Fill #People with 3
		4. Fill Address with Davis
		5. Click 'submit'
		6. Click OK
			Nickname John
			#People = 3
			Address = Davis
				Go to the PHP page	As expected	Pass

Requirement **3.8.3.4**: The webpage predicts the movement of the shuttle when no real-time location data is available						
TC41	User checks shuttle location with geolocation function allowed.	1. User goes to the shuttle tracking w 2. Webpage pops out window to ask f 3. User selects "Allow".	N/A	Google Maps API displays user's geolocation.	As expected	Pass
TC42	User checks shuttle location with geolocation function disallowed.	1. User goes to the shuttle tracking w 2. Webpage pops out window to ask f 3. User selects "Block".	N/A	Google Maps doesn't display user's geolocation.	As expected	Pass
TC43	User checks shuttle location	1. User goes to the shuttle tracking w on weekends when shuttle is not oper 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/10 (Sunday) 4:47 pm	Google Maps displays cursor at 173 M Page displays the following message "Shuttle is not operating today".	As expected	Pass
TC44	User checks shuttle location	1. User goes to the shuttle tracking w on weekends when shuttle is not oper 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/09 (Saturday) 9:32 am	Google Maps displays cursor at 173 M Page displays the following message "Shuttle is not operating today".	As expected	Pass
TC45	User checks shuttle location	1. User goes to the shuttle tracking w when shuttle is between Davis and M 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/08 (Friday) 11:32 am	Google Maps displays cursor at estim Page displays the following message "Shuttle is heading for 173 Main and A and will arrive in 13 minutes".	As expected	Pass
TC46	User checks shuttle location	1. User goes to the shuttle tracking w when shuttle is between Main St. and 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/08 (Friday) 11:47 am	Google Maps displays cursor at estim Page displays the following message "Shuttle is heading for 21 Gilman St. and will arrive in 5 minutes".	As expected	Pass
TC47	User checks shuttle location	1. User goes to the shuttle tracking w when shuttle is between Gilman St. a 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/08 (Friday) 11:54 am	Google Maps displays cursor at estim Page displays the following message "Shuttle is heading for Diamond and will arrive in 3 minutes".	As expected	Pass
TC48	User checks shuttle location	1. User goes to the shuttle tracking w when shuttle is between Diamond an 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/08 (Friday) 11:59 am	Google Maps displays cursor at estim Page displays the following message "Shuttle is heading for Davis and will arrive in 1 minutes".	As expected	Pass
TC49	User checks shuttle location	1. User goes to the shuttle tracking w when shuttle is at Davis; 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/08 (Friday) 4:00 pm	Google Maps displays cursor at Davis Page displays the following message "Shuttle has arrived at Davis and wil depart for 173 Main and Apple	As expected	Pass
TC50	User checks shuttle location	1. User goes to the shuttle tracking w when shuttle is at Main St.; 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/08 (Friday) 4:15 pm	Google Maps displays cursor at 173 M Page displays the following message "Shuttle has arrived at 173 Main and A and wil depart for 21 Gilman St. soon	As expected	Pass

TC51	User checks shuttle location	1. User goes to the shuttle tracking w when shuttle is at Gilman St.; 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/08 (Friday) 4:22 pm	Google Maps displays cursor at 21 G Page displays the following message "Shuttle has arrived at 21 Gilman St. and wil depart for Diamond soon".	As expected	Pass
TC52	User checks shuttle location	1. User goes to the shuttle tracking w when shuttle is at Diamond; 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/08 (Friday) 4:27 pm	Google Maps displays cursor at Diam Page displays the following message "Shuttle has arrived at Diamond and wil depart for Davis soon".	As expected	Pass
TC53	User checks shuttle location on weekday morning before shuttle starts operating.	1. User goes to the shuttle tracking w on weekday morning before shuttle st 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/07 (Thursday) 7:44 am	Google Maps displays cursor at 173 M Page displays the following message "Shuttle is not operating right now".	As expected	Pass
TC54	User checks shuttle location on weekday evening after shuttle finishes operating.	1. User goes to the shuttle tracking w on weekday evening after shuttle finis 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/06 (Wednesday) 6:00 pm	Google Maps displays cursor at 173 M Page displays the following message "Shuttle is not operating right now".	As expected	Pass
TC55	User checks shuttle location on weekday morning right when it starts operating.	1. User goes to the shuttle tracking w on weekday morning right when it sta 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/05 (Tuesday) 7:45 am	Google Maps displays cursor close to Page displays the following message "Shuttle has arrived at 173 Main and and wil depart for 21 Gilman St. soon	As expected	Pass
TC56	User checks shuttle location on weekday evening right before it stops operating.	1. User goes to the shuttle tracking w on weekday evening right before it sto 2. The webpage displays prediction o location based on the current date an	Date and time: 2017/12/04 (Monday) 5:59 pm	Google Maps displays cursor close to Page displays the following message "Shuttle is heading for Davis and will arrive in 1 minutes".	As expected	Pass
Requirement: The main page must inform the user about the current state of shuttle and Jitney operations						
TC57	User Accesses main page	1. User opens main page	N/A	Page opens with map, stops, and shuttle displayed, with links to more information	As expected	Pass
TC58	User wants an overview of Security transportaion programs	1. User opens main page 2. User clicks the Colby Transportation Services link	N/A	New tab opens to the Colby Transportation Services page	As expected	Pass
TC59	User wants a detailed printable schedule and map for the Shuttle	1. User opens main page 2. User clicks the Colby Shuttle Schedule and Map link	N/A	New tab opens to the Colby Shuttle Schedule and Map page	As expected	Pass
TC60	User wants to check if the Jitney is operating	1. User opens main page 2. User clicks the Jitney Shifts link	Jitney Shifts Document driver_shift_file.txt (saved and accessed from GitHub)	Opens to a current and updated version of the Jitney Shift Schedule according to the information stored in file, formatted as a table.	As expected	Pass
TC61	User wants to return to colby.edu	1. User opens main page 2. User clicks on top banner	N/A	Tab navigates to colby.edu	As expected	Pass
TC62	User wants to see the name of a stop marked on the map	1. User opens main page 2. Click on one stop (the flags) on the Google Map	N/A	Displays stop name	As expected	Pass