Test Table – User Registration

Test Name	Description	Sample Inputs	Expected Results	Actual Results	Pass/Fail
Password – no special characters	Enter a password does not contain any of the special characters required for user passwords	Username: i_donated_to_ charity_once_ im_a_good_per son password: needmorecash institution: AmaBuseWorker sRights institutional email: replace_em_wi th_robots@ama buseworkersri ghts.kp Full Name: Leff Lezos	Error indicating a special character should be added to the password entered	Error indicating a special character should be added to the password entered (see appendix screenshot 1)	pass
Password – length below 8 characters		Username: i_donated_to_ charity_once_ im_a_good_per son password: more\$ institution: AmaBuseWorker sRights institutional email: replace_em_wi th_robots@ama buseworkersri ghts.kp Full Name: Leff_Lezos	Error indicating password entered is too short	Error indicating password entered is too short (see appendix screenshot 2)	pass
Password - length below 8 characters and no special characters	No special characters and length below 8 characters combined	Username: i_donated_to_ charity_once_ im_a_good_per son password: cash institution: AmaBuseWorker sRights	Error indicating a special character should be added to the password entered	Error indicating a special character should be added to the password entered (see appendix screenshot 3)	pass

		institutional email: replace_em_wi th_robots@ama buseworkersri ghts.kp Full Name:			
		Leff Lezos			
Password – length extreme low end data	Enter a password that exactly meets the minimum character length requirement	Username: i_donated_to_ charity_once_ im_a_good_per son password: more\$\$\$ institution: AmaBuseWorker sRights institutional email: replace_em_wi th_robots@ama buseworkersri	User successful ly registered and added to the database	User successfully registered and added to the database (see appendix screenshot 4)	pass
		ghts.kp Full Name: Leff Lezos			
Password - enter a commonly used password	Enter a password that is one of the most commonly used across web apps	Username: i_donated_to_ charity_once_ im_a_good_per son password: iloveyou! institution: AmaBuseWorker sRights institutional email: replace_em_wi th_robots@ama buseworkersri ghts.kp Full Name: Leff Lezos	Error indicating password is too common	Error indicating password is too common (see appendix screenshot 5)	pass
Institution - Non- existent institution	Enter an institution that does not exist within the application database	Username: i_donated_to_ charity_once_ im_a_good_per son666 password: more\$\$\$\$	Error indicating AWS is not a valid institutio n for registrati on	Error indicating AWS is not a valid institution for registration (see	pass

		institution: AWS institutional email: replace em wi th robots@ama buseworkersri ghts.kp Full Name: Leff Lezos		appendix screenshot 6)	
Institutiona l Email – Incorrect domain	Enter a domain that does not conform to the domain of the institution entered	Username: i_donated_to_ charity_once_ im_a_good_per son666 password: more\$\$\$ institution: AmaBuseWorker sRights institutional email: replace em wi th_robots@hAW S.kp Full Name: Leff Lezos	Error indicating the domain entered is not valid for the institutio n entered	Error indicating the domain entered is not valid for the institution entered (see appendix screenshot 7)	pass
Institutiona l Email – Incorrect format	email with no '@' symbol	Username: i_donated_to_ charity_once_ im_a_good_per son666 password: more\$\$\$\$ institution: AmaBuseWorker sRights institutional email: replace_em_wi th_robotsamab useworkersrig hts.kp Full Name: Leff Lezos	Error indicating the domain entered is not valid for the institutio n entered	entered is not valid for the institution entered (see appendix screenshot 8)	pass
All data expected/wit hin normal ranges	Enter data within expected formats, and well within	Username: i_donated_to_ charity_once_ im_a_good_per son666	User successful ly registered and added	User successfully registered and added to the database	pass

	input ranges set	password: morecash\$\$\$ institution: AmaBuseWorker sRights institutional email: replace_em_wi th_robots666@ amabuseworker srights.kp Full Name: Leff Lezos	to the database	(see appendix screenshot 9)	
All data attempts XSS injection	Attempt XSS script injection in each user input box	URL: https:// 127.0.0.1:500 0/auth/regist er <script>ale rt(1)</script> Username: i_donated_to_ charity_once_ im_a_good_per son666 <script>alert(1)</SC RIPT> password: <script>alert (1)</script> m orecash\$\$\$\$ institution: <script>alert (1)</script> A maBuseWorkers Rights institutional email: <script>alert (1)replace_em_ with_robots6 66@amabusewor kersrights.kp </script> Full Name: <script>alert (1)</script> Full Name:	An error appears indicating that a valid institutio n has not been registered. No alert box should appear.	An error appears indicating that a valid institution has not been registered. No alert box appears. (see appendix screenshot 10)	pass
No data entered	Make a post request/click the register button with no data entered	[no data entered]	The applicatio n indicates the user must fill out	The application indicates the user must fill out required fields (see	pass

		appendix screenshot	
		11)	

	To	ct Tabla	Hear Lor	n In	
Test Name	Description	st Table –	Expected Result	Actual Result	Pass/Fail
No data entered	Make a post request/ click the log in button with no data entered	[no data entered]	The application indicates the user must fill out required fields	The application indicates the user must fill out required fields (see appendix screenshot 12)	pass
Enter invalid username	Attempt log in with a non- existent/inc orrect username	Username: Ozzy Osbourne 666 Password: @BlackSabbat h@\$	The application indicates the username entered is invalid	The application indicates the username entered is invalid (see appendix screenshot 13)	pass
Enter invalid password	Attempt to log in with an incorrect password	Username: i_donated_to _charity_onc e_im_a_good_ person666 Password: coldhardcash	The application indicates the password is invalid	The application indicates the password is invalid (see appendix screenshot 14)	pass
Login from an unauthentica ted device	Attempt to log in from a different device than the device used during user registration	Username: i_donated_to _charity_onc e_im_a_good_ person666 Password: morecash\$\$\$\$	The application indicates the device used is not authenticate d	The application indicates the device used is not authenticate d (see appendix screenshot 15)	pass
Device MAC address cannot be retrieved	Attempt to log in, in a scenario where the authorised device mac address cannot be	Username: i_donated_to _charity_onc e_im_a_good_ person666 Password: morecash\$\$\$\$	The application indicates the device can't be authenticate d	The application indicates the device can't be authenticate d (see screenshot	pass

16)

retrieved

Attempt SQL and XSS injection	Attempt to execute XSS and HTML scripts within the username and password fields	Username: ;DELETE FROM User WHERE UserID = 943180813; password: <script>alert(1)</script>	The application inidcates the username is invalid. The user record is not deleted. The script is not executed.	The application inidcates the username is invalid. The user record is not deleted. The script is not executed. (see appendix screenshots 17 and 18)	pass
Login as expected	Login using correct credentials and a MAC address that can be retrieved	Username: i_donated_to _charity_onc e_im_a_good_ person password: cash\$\$\$\$	The application logs the user in and redirects to the project index page	The application logs the user in and redirects to the project index page (see appendix screenshot 19)	pass

Test Name	Description	Input	Expected Result	Actual Result	Pass/Fail
Attempt to perform XSS injection	Insert a HTML script into the page URL	https:// 127.0.0.1:50 00/ <script>aler t(1)</ script></td><td>The application returns a URL not found error. No alert window appears</td><td>The application returns a URL not found error (see appendix screenshot 20)</td><td>pass</td></tr><tr><td>Unauthorised access</td><td>Attempt to navigate back to the project index page after log out</td><td>Log out click → browser back button click</td><td>The application redirects to the login page</td><td>The application redirects to the login page (see appendix screenshot 21)</td><td>pass</td></tr></tbody></table></script>			

Test Table – Create Project

Test Name	Description	Input	Expected Result	Actual Result	Pass/Fail
Attempt to perform XSS and SQL injection	Enter XSS and SQL text into the given fields.	Project Name: ;DELET E FROM User WHERE UserID = 943180813; Project Description: <script>aler t(1)</script> >	The application creates a project with name and description; DELETE FROM User WHERE UserID = 943180813; password: <script>aler t(1)</script> . No alert appears. The given user is not deleted from the database.	The application creates a project with name and description; DELETE FROM User WHERE UserID = 943180813; password: <script>aler t(1)</script> . No alert appears. The given user is not deleted from the database. (see appendix screenshot 22)	pass
Leave fields blank	Don't enter any data for project name or description when making a POST request/ clicking the save button.	save button click	The application indicates that the user must enter data into the required fields	The application indicates that the user must enter data into the required fields (see appendix screenshot 23)	pass
Enter data into fields as expected	Enter a project name and description as expected	Project Name: Banning toilet breaks Project Description: Ban all toilet breaks to increase efficiency! *evil laugh ensues*	The application creates the project and redirects the user to the project index page	The application creates the project and redirects the user to the project index page (see appendix screenshot 24)	pass
Unauthorised access	Attempt to navigate back to the create	Log out → back button click	The application redirects the user to	The application redirects the user to	pass

after log out page page (see appendix screenshot 26)		the login page	appendix screenshot	
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Test Name	Tes Description	st Table –	Ticket In	Actual Result	pass/fail
Attempt to perform XSS injection	Insert a HTML script into the page URL	https:// 127.0.0.1:50 00/ ticket_viewe r/Banning toilet breaks <scrip t="">alert(1)<!--</td--><td>returns a URL not found error. No alert</td><td>The application returns a URL not found error. No alert window appears (see screenshot 25)</td><td>pass</td></scrip>	returns a URL not found error. No alert	The application returns a URL not found error. No alert window appears (see screenshot 25)	pass
Unauthorised access	Attempt to navigate back to the ticket index page after log out	Log out → back button click	The application redirects the user to the login page	The application redirects the user to the login page (see appendix screenshot 27)	pass

Test Table – Create Ticket							
Test Name	Description	Input	Expected Result	Actual Result	pass/fail		
Attempt to perform XSS and SQL injection	Enter XSS and SQL text into the given fields.	Ticket Name: ;DELETE FROM User WHERE UserID = 943180813; Assignee Username: <script>aler t(1)</script> Ticket Description: <script>aler</td><td>be assigned to a user from a different institution. No alert box is shown. The given user is not</td><td>The application indicates that a ticket can't be assigned to a user from a different institution. No alert box is shown. The given user is not deleted from</td><td>pass</td></tr></tbody></table></script>					

Leave fields blank	Don't enter any data for ticket name, assignee username or description when making a POST request/ clicking the save button.	t(1) sCript> ;DEL ETE FROM USER WHERE USERID = 943180813; Save button click	The application prompts the user to fill the required fields	the database. (see appendix screenshots 28 and 29) The application prompts the user to fill the required fields (see appendix screenshot 30)	pass
Assign ticket to a different institutional user	Attempt to assign a ticket to a	Ticket Name: Investigate the use of plastic bottles Assignee Username: Gamers2Gambl ers (Microtransc tion Arts) Ticket Description: Assign plastic bottles to each worker. Closely monitor workers through CCTV. Deduct their pay if they leave their station!	The application indicates that a ticket can't be assigned to a user from a different institution.	The application indicates that a ticket can't be assigned to a user from a different institution. (see appendix screenshot 31)	pass
Enter data into fields as expected	Enter a ticket name, correct user assignee and description as expected	Ticket Name: Investigate the use of plastic bottles Assignee Username: bagsomoney Ticket Description: Assign plastic	A ticket is created	A ticket is created as expected (see appendix screenshot 32)	pass

		bottles to each worker. Closely monitor workers through CCTV. Deduct their pay if they leave their station!			
Unauthorised access	Attempt to navigate back to the create project page after log out	Back button click	The user is redirected to the login page	The user is redirected to the login page (see screenshot 33)	pass

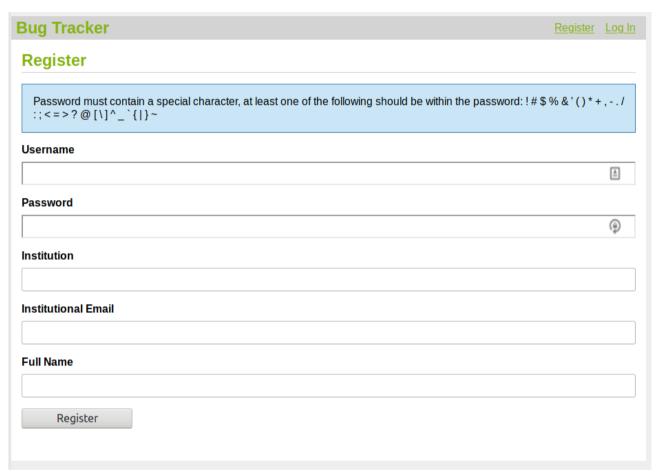
Test Table – View Ticket					
Test Name	Description	Input	Expected Result	Actual Result	pass/fail
Attempt to perform XSS and SQL injection	Input XSS and SQL text data into the comment title and ticket comment fields	Comment title: <script>aler t(1)</script> Ticket Comment: ;DE LETE FROM User WHERE UserID = 943180813;	A comment is generated. An alert box is not shown. The given user is not deleted from the database.	generated. An alert box is not shown. The given user is not	pass
Attempt to submit an empty comment	Leave both the Comment title and ticket comments field blank	Submit button click	The application prompts the user to enter data into the empty fields	The application prompts the user to enter data into the empty fields (see appendix screenshot 36)	pass
Enter a comment as expected	Enter a comment title and ticket comment in an expected format	Comment title: Could we use goons? Ticket Comment: Can we bend legislation to legally employ	The application adds the comment to the ticket	The application adds the comment to the ticket (see appendix screenshot 37)	pass

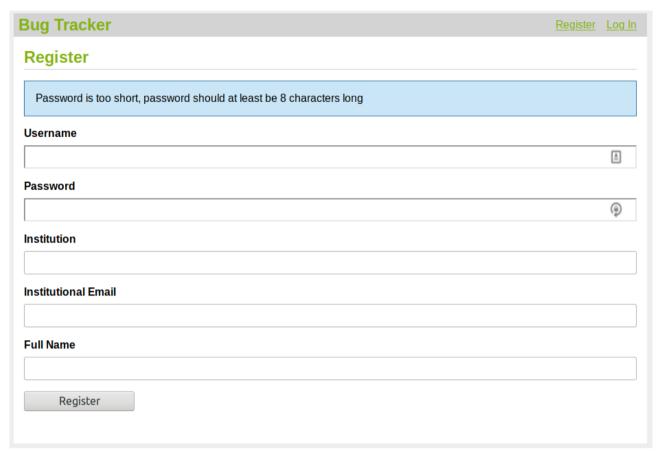
		enforcers? Lord knows we've done it when it comes to dodging tax!			
Unauthorised access	Attempt to navigate back to the create project page after log out	Log out → back button click	The application redirect the user to the login page	The application redirect the user to the login page (see appendix screenshot 38)	pass
Closed ticket comment	Attempt to comment on a closed ticket	Comment title: Transcript from replacing workers with robots meeting at the Amazon warehouse in Dunfermline Ticket Comment: Dunfermline area manager: "I'll never turn to the dark side. You've failed, Your Highness. I am a Union Member, like my father before me." Jeff Bezos: "So be it Unionist."	The application indicates that a user cannot comment on a closed ticket.	The application indicates that a user cannot comment on a closed ticket. (see appendix screenshot 39)	pass

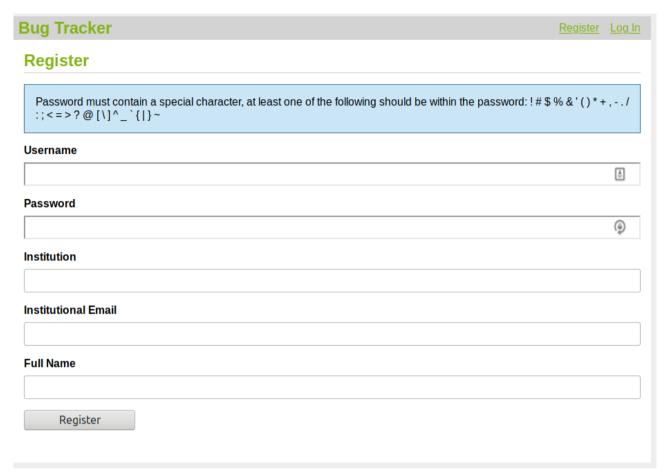
Known Bugs

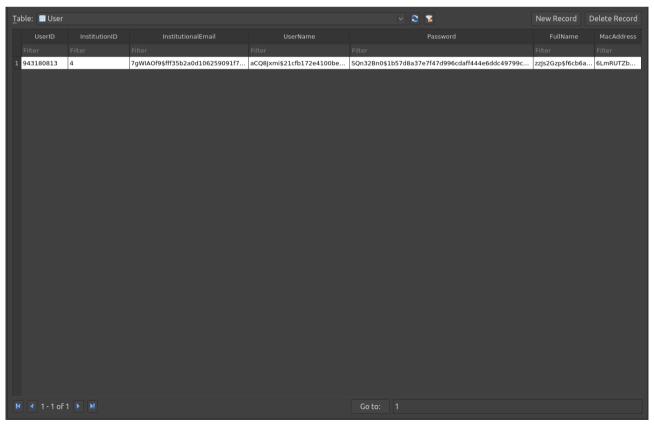
- The application is unable to continually persist identification of MAC addresses between server runs. If the server is shutdown and restarted, the MAC address of the original device is no longer authenticated against as expected for user login

Appendix - Test Screenshots

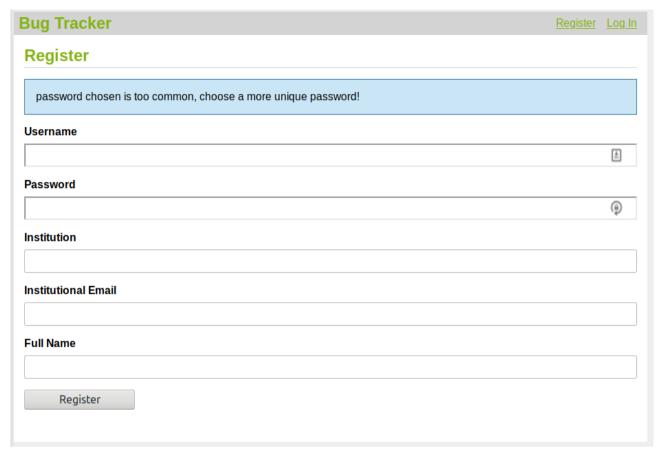


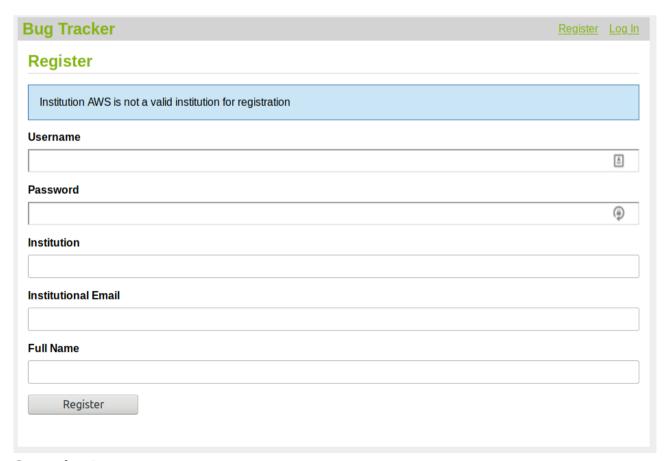






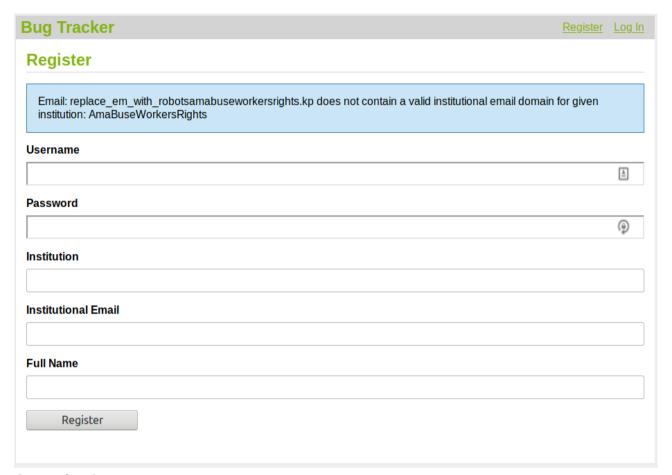
Screenshot 4

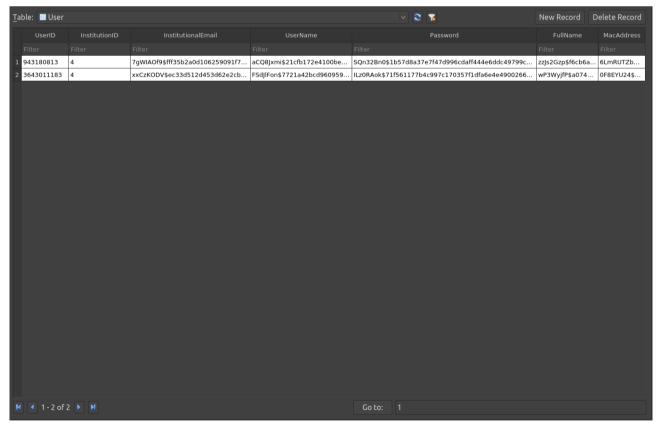




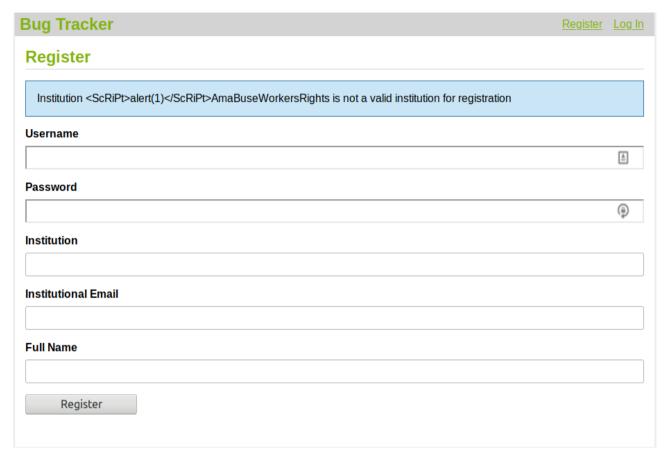
Screenshot 6

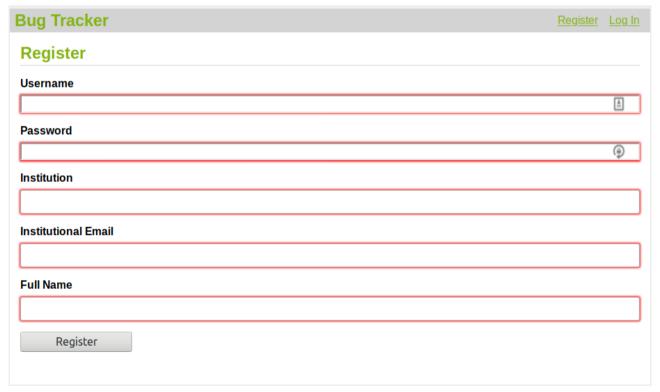
Bug Tracker	Register	<u>Log In</u>
Register		
Email: replace_em_with_robots@hAWS.kp does not contain a valid institutional email domain for given institution for given	ıtion:	
Username		
		<u></u>
Password		
		(2)
Institution		
Institutional Email		
Full Name		
Register		





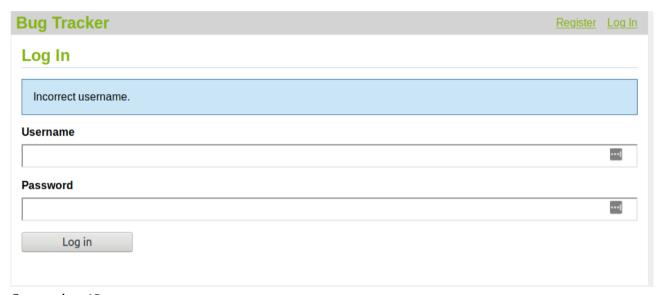
Screenshot 9



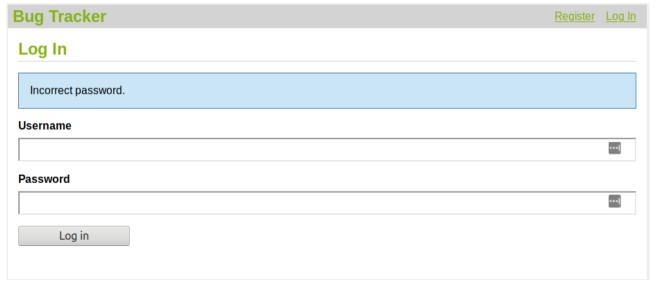




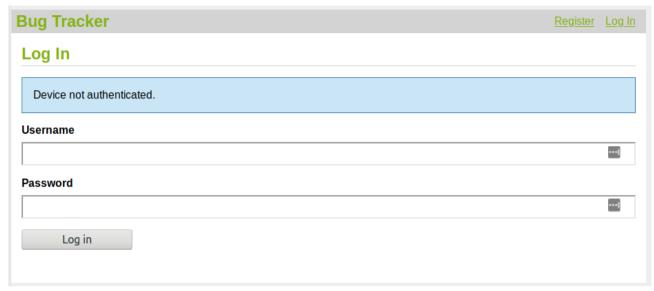
Screenshot 12

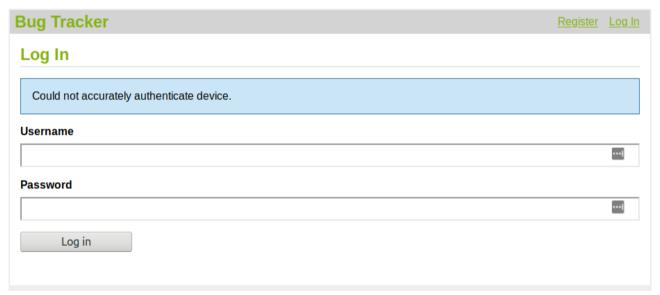


Screenshot 13



Screenshot 14

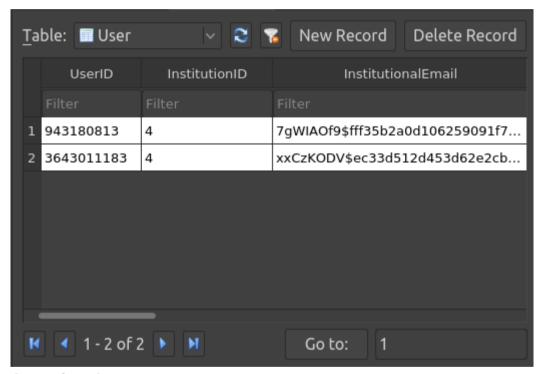




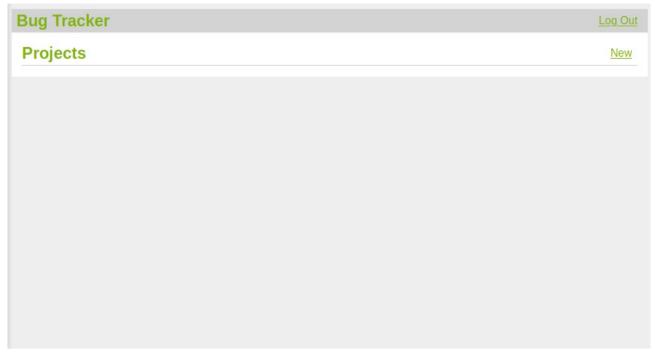
Bug Tracker	Register Log In
Log In	
Incorrect username.	
Username	

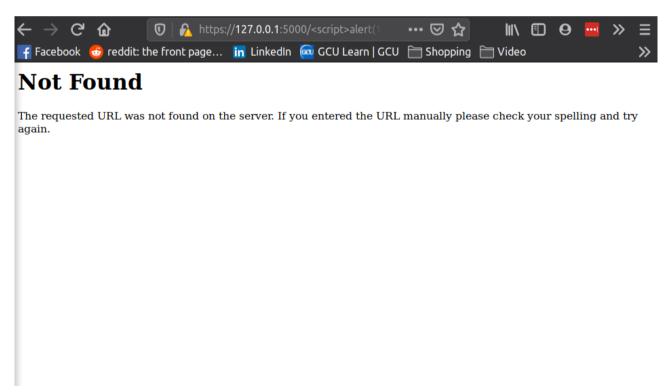
Password	
	=
Log in	

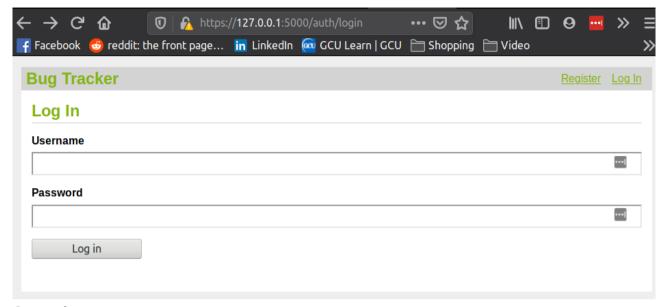
Screenshot 17



Screenshot 18



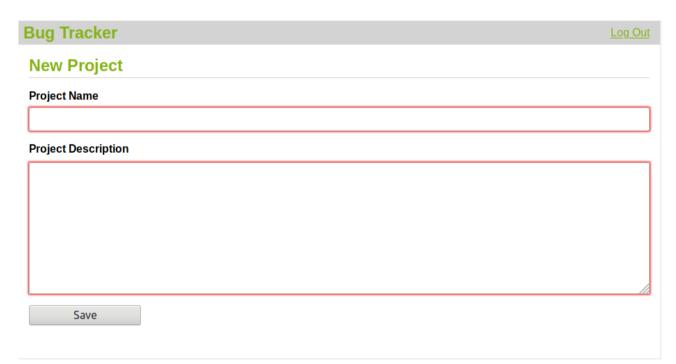




Screenshot 21



Screenshot 22



Screenshot 23

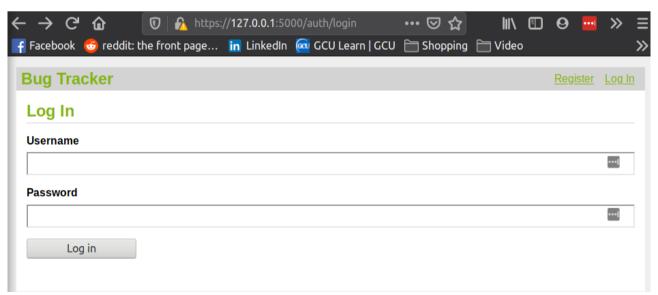




Not Found

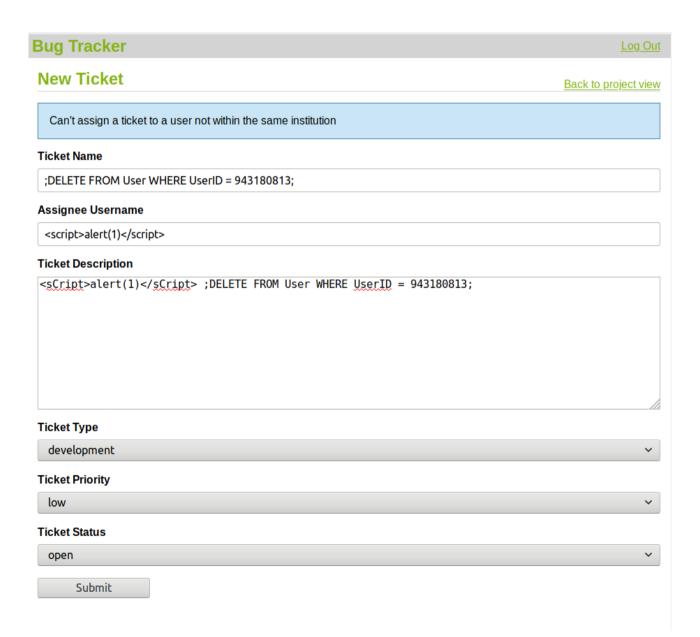
The requested URL was not found on the server. If you entered the URL manually please check your spelling and try again.

Screenshot 25

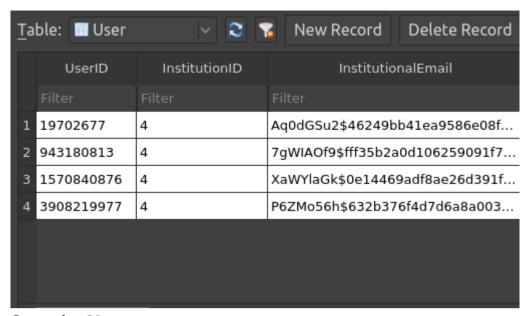




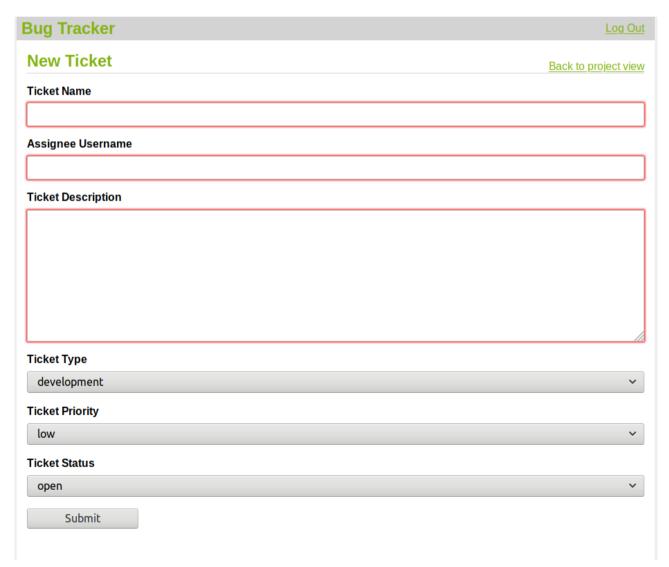
screenshot 27



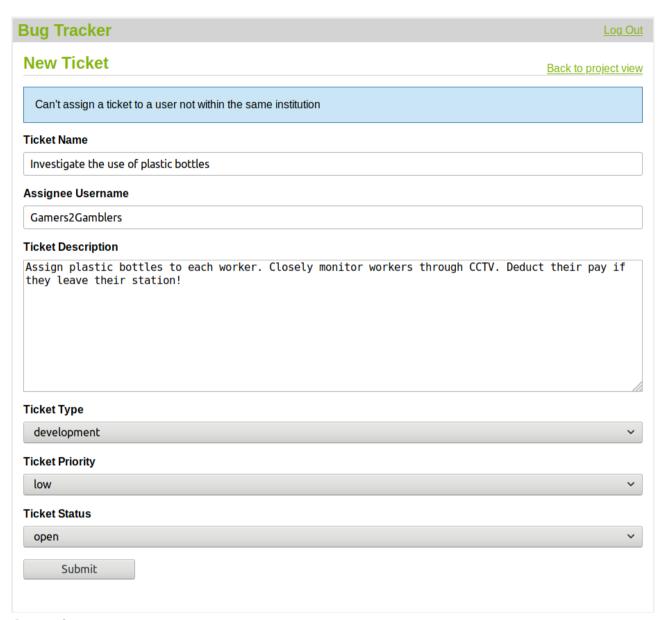
Screenshot 28

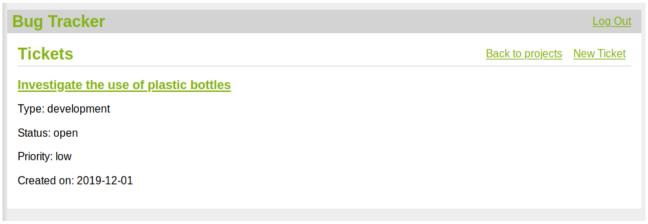


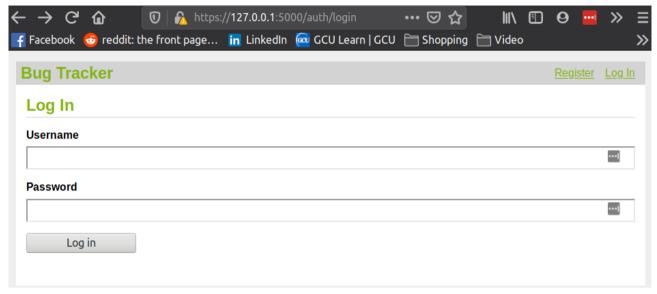
Screenshot 29

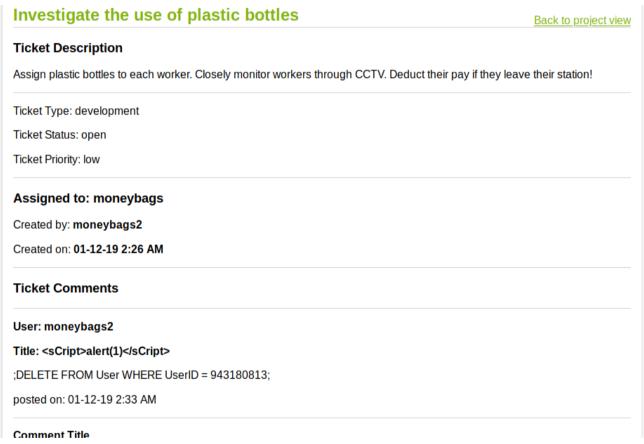


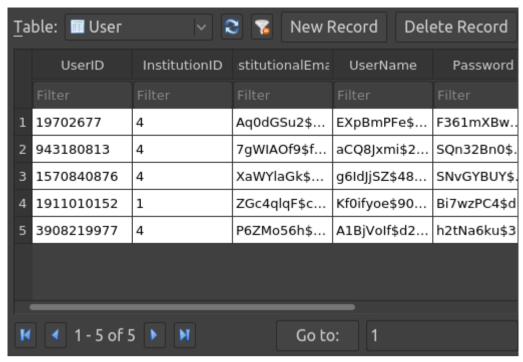
Screenshot 30











Screenshot 35

Screenshot 36

Bug Tracker Log Out

Investigate the use of plastic bottles

Back to project view

Ticket Description

Assign plastic bottles to each worker. Closely monitor workers through CCTV. Deduct their pay if they leave their station!

Ticket Type: development

Ticket Status: open Ticket Priority: low

Assigned to: moneybags

Created by: moneybags2
Created on: 01-12-19 2:26 AM

Ticket Comments

User: moneybags2

Title: <sCript>alert(1)</sCript>

;DELETE FROM User WHERE UserID = 943180813;

posted on: 01-12-19 2:33 AM

User: moneybags2

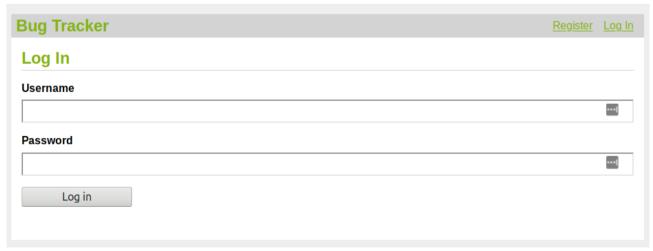
Title: Could we use goons?

Can we bend legislation to legally employ enforcers? Lord knows we've done it when it comes to dodging tax!

posted on: 01-12-19 2:40 AM

Comment Title

Could we use goons?



Can't comment on a closed ticket!

Ticket Description

Replace the workforce with robots for improved workforce exploitation.

Ticket Type: production
Ticket Status: closed
Ticket Priority: high

Assigned to: moneybags

Created by: nounion4you
Created on: 01-12-19 5:29 PM

Ticket Comments

Comment Title

Transcript from replacing workers with robots meeting at the Amazon warehouse in Dunfermline

Ticket Comment

Dunfermline area manager: "I'll never turn to the dark side. You've failed, Your Highness. I am a Union Member, like my father before me."

Jeff Bezos: "So be it... Unionist."

Submit Comment