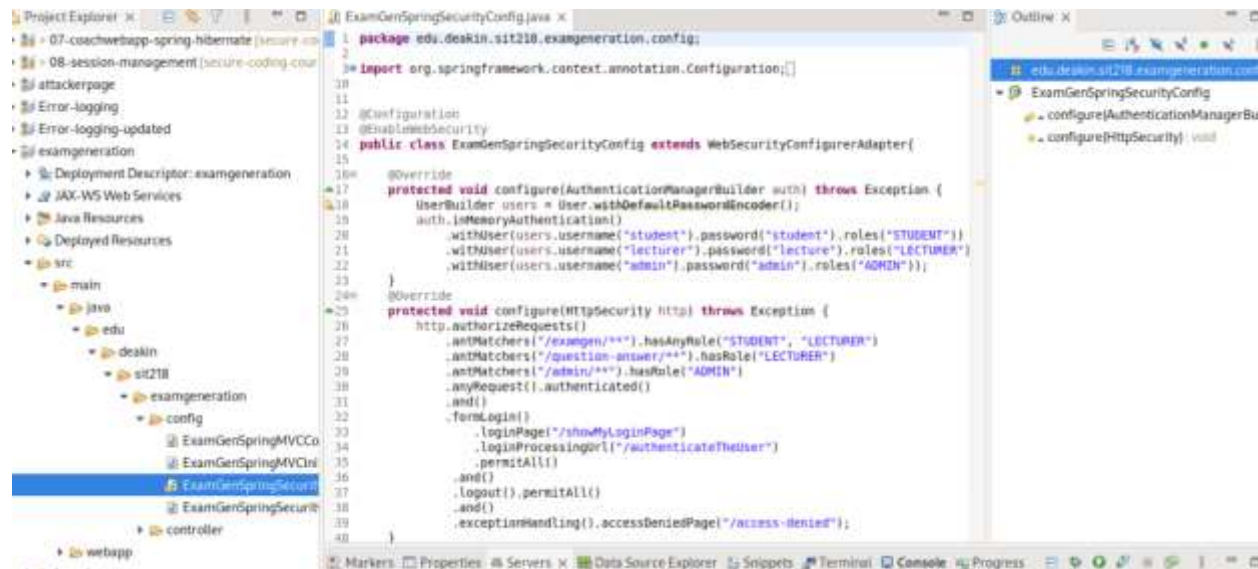


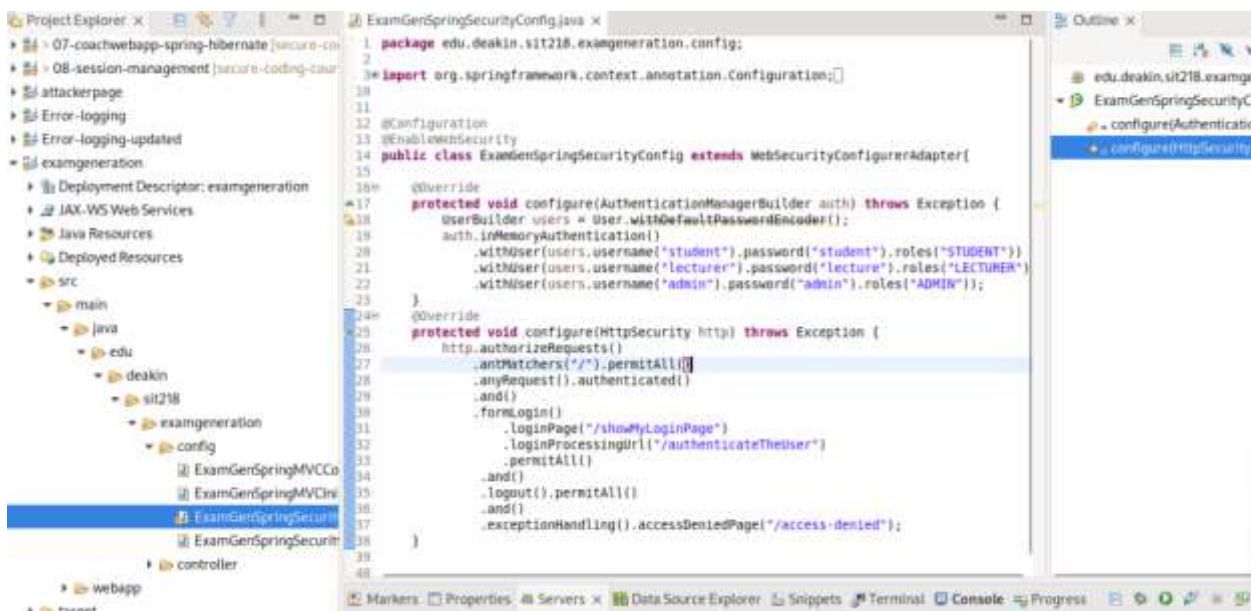
Pass task 8.1P: Authorization

- The work involves editing the spring security filter chain of the exam generation application to enable an administrator (admin) access every page. To do this, one has to ensure the correct authorization settings have been granted and take screenshots to show they have been carried out, another is to update it to allow the admin users full privileges.

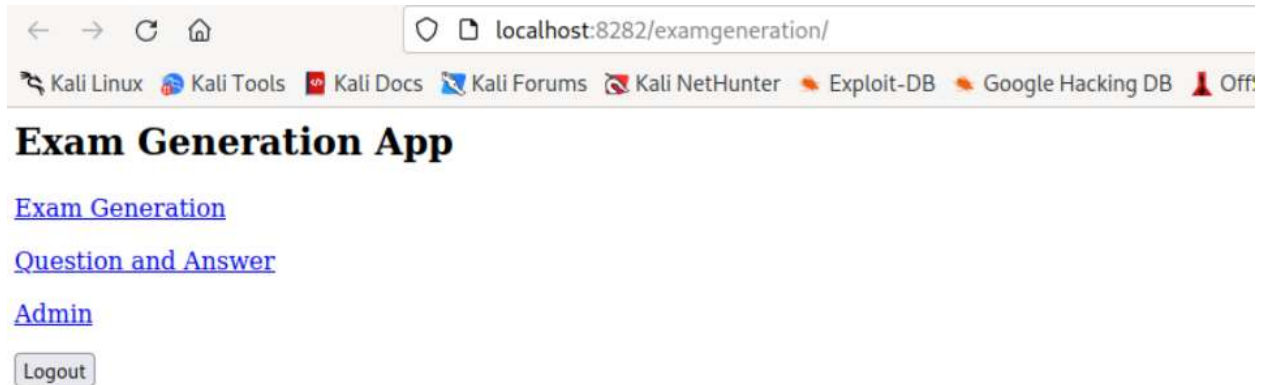
Before upgrading code



After upgrading code

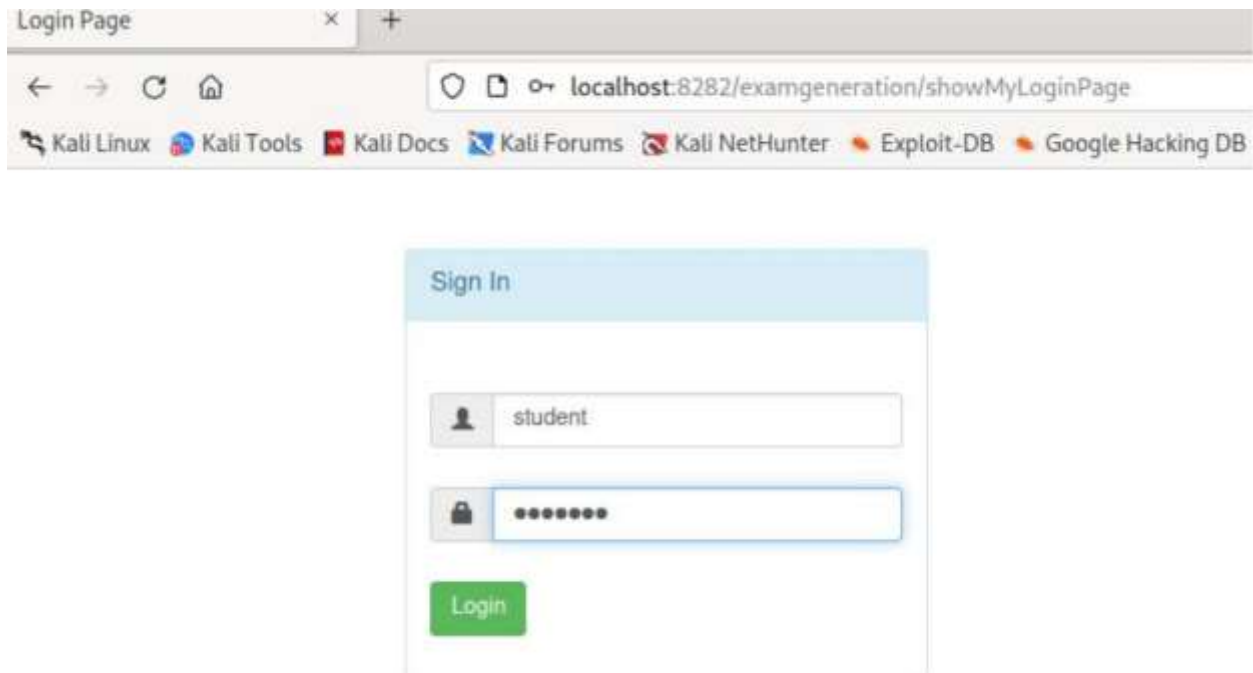


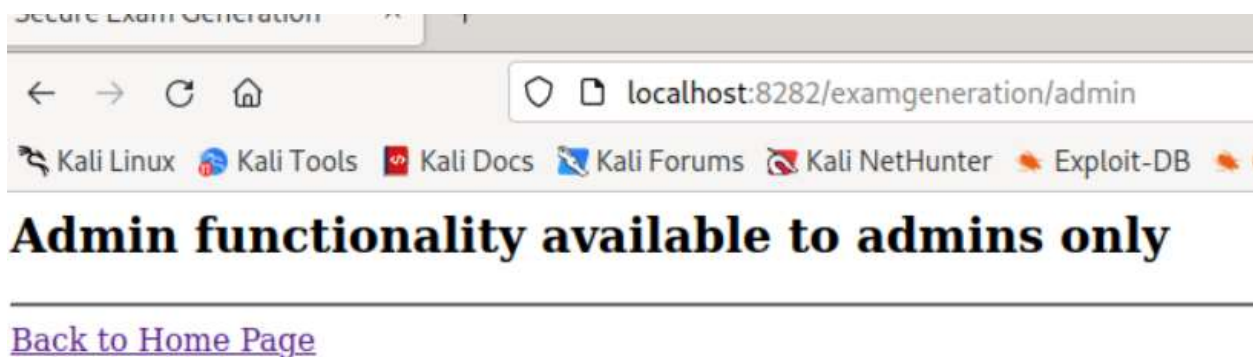
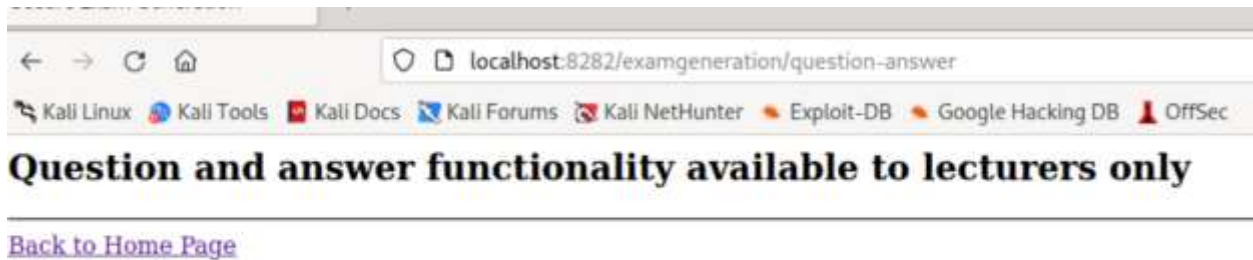
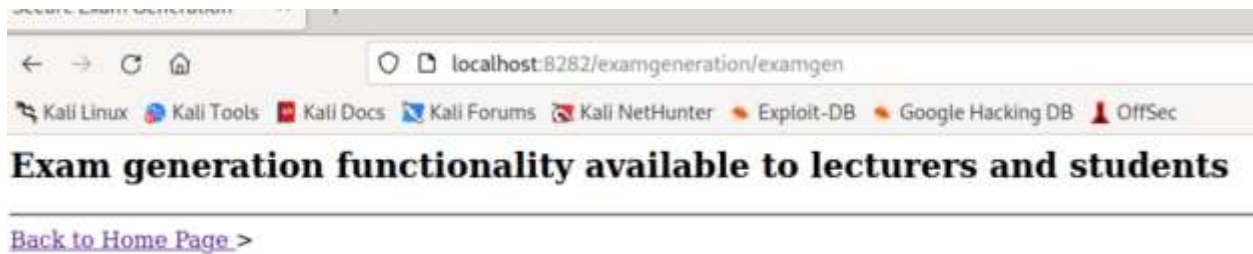
Next, I launched the web application through the web browser and turned on the Tomcat server.



You'll find that the home page appears right away. This is most likely a flow issue; the login page should appear first, followed by the home page. We'll use spring security filters to remedy this.

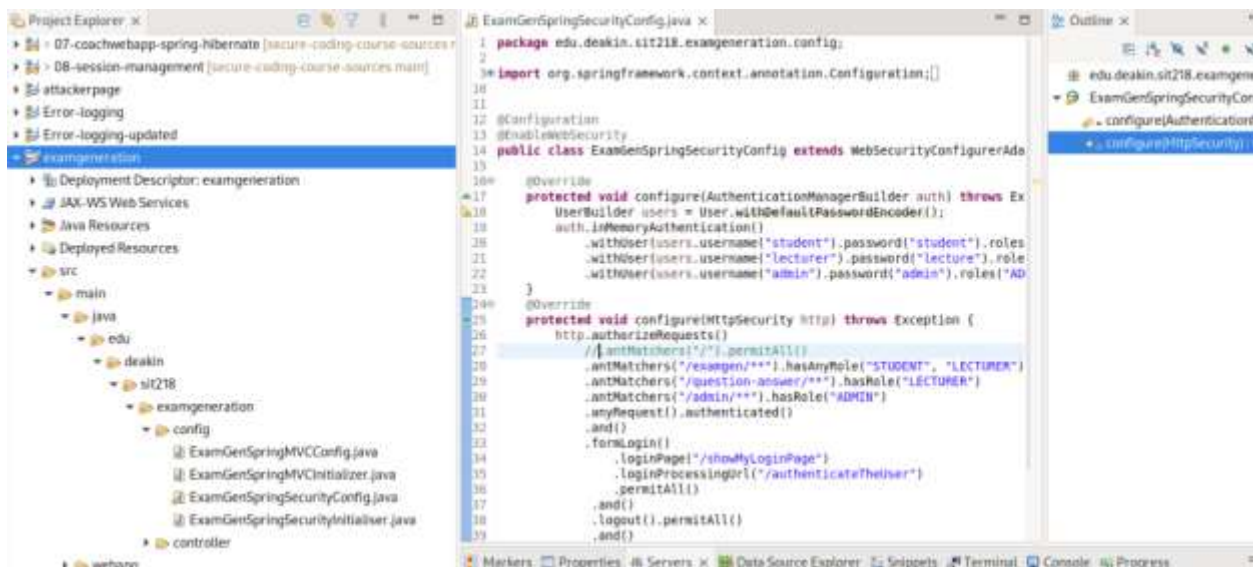
I used my student credentials to get in so that I could visit the other pages by logging in as any other user.



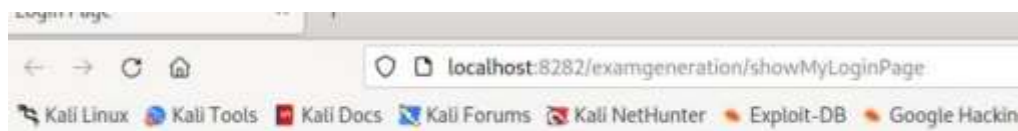


- On the same note, the use of an application should make it necessary for the user to go through a check in process to be granted access to the main page of the web application. The user then gets to access pages which they are allowed to access and which they have log in privileges. To explicit an unauthorized access violation, the user should receive an access prohibited notice. In order to establish the correct authorization the present security filter settings have to be raised to the present level.

Thus, I changed the code first.

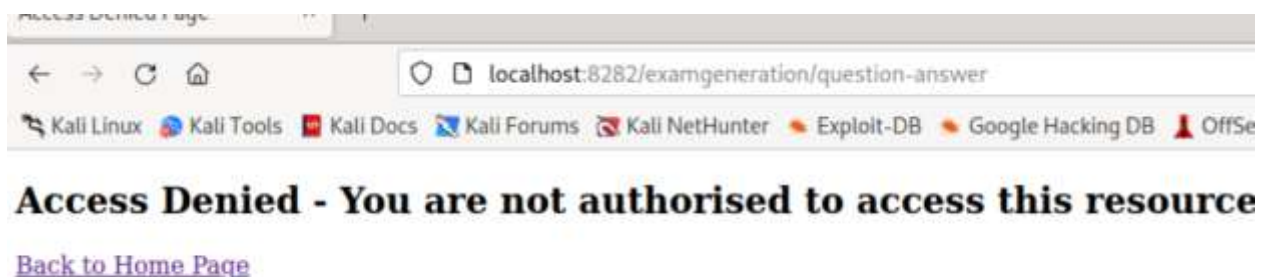
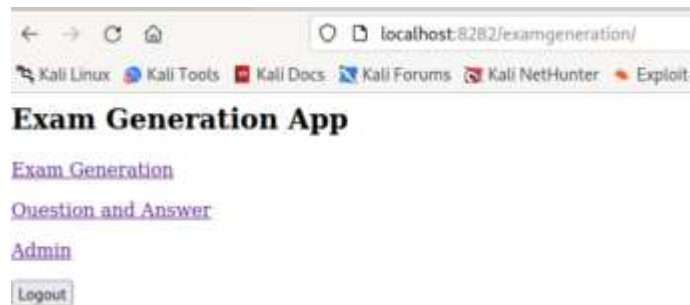


- Tomcat server was used to run the program from a web browser after changing some code used in the program. This time, it was the login page that was placed in front of all the others as the first one.

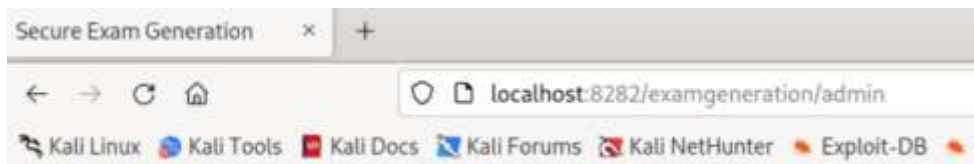


The screenshot shows a login page with a light blue header containing the text 'Sign In'. Below the header, there are two input fields: one for 'username' with a user icon and one for 'password' with a lock icon. Below the input fields, there is a green 'Login' button.

- To find out if I could use more pages apart from the home page using the same login, I logged in as a student. However, the string processing to the other users was only allowed through the code filter.

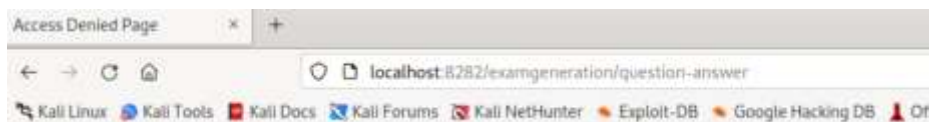


Subsequently, I exited the student account and signed in as the administrator to verify the filter.



Admin functionality available to admins only

[Back to Home Page](#)



Access Denied - You are not authorised to access this resource

[Back to Home Page](#)

- To a certain extent, it has made a successful transition to alter the authorization filter of the exam generation app to approve all the Admin users to access all of its pages. The changes to the Spring Security configuration in this release retain all the other users' authentication requirements while providing a suitable level of access for the admin role.