**Authentication**

**Are an email and a password asked for in the registration?**

**Does the project detect if the email or password are wrong?**

**Does the project detect if the email or user name is already taken in the registration?**

**Try to register as a new user in the forum.**

**Is it possible to register?**

**Try to login with the user you created.**

**Can you login and have all the rights of a registered user?**

**Try to login without any credentials.**

**Does it show a warning message?**

**Are sessions present in the project?**

**Try opening two different browsers and login into one of them. Refresh the other browser.**

**Can you confirm that the browser non logged remains unregistered?**

**Try opening two different browsers and login into both of them. Refresh both browsers.**

**Can you confirm that only one of those browsers has an active session?**

**Try opening two different browsers and login into one of them. Then create a new post or just add a comment. Refresh both browsers.**

**Does it present the comment/post on both browsers?**

**SQLite**

**Does the code contain at least one CREATE query?**

**Does the code contain at least one INSERT query?**

**Does the code contain at least one SELECT query?**

**Try registering in the forum, open the database with sqlite3 <database\_name.db> and perform a query to select all the users (Example: SELECT \* FROM users;).**

**Does it present the user you created?**

**Try creating a post in the forum, open the database with sqlite3 <database\_name.db> and perform a query to select all the posts (Example: SELECT \* FROM posts;).**

**Does it present the post you created?**

**Try creating a comment in the forum, open the database with sqlite3 <database\_name.db> and perform a query to select all the comments (Example: SELECT \* FROM comments;).**

**Does it present the comment you created?**

**Docker**

**Does the project have Dockerfiles?**

**Try to run the command "docker image build [OPTINS] PATH | URL | -" to build the image using the project Dockerfiles and run the command "docker images" to see images.**

student$ docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

<name of the image> latest 85a65d66ca39 7 seconds ago 795MB

**Did all images build as above?**

**Try running the command "docker container run [OPTIONS] IMAGE [COMMAND] [ARG...]" to start the containers using the images just created and run the command "docker ps -a" to see containers.**

student$ docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

cc8f5dcf760f <name of the image> "./server" 6 seconds ago Up 6 seconds 0.0.0.0:8080->8080/tcp forum

**Are the Docker containers running as above?**

**Does the project have no**[**unused objects**](https://docs.docker.com/config/pruning/)**?**

**Functional**

**Enter the forum as a non-registered user and try to create a post.**

**Are you forbidden from creating a post?**

**Enter the forum as a non-registered user and try to create a comment.**

**Are you forbidden from creating a comment?**

**Enter the forum as a non-registered user and try to like a comment.**

**Are you forbidden from liking a post?**

**Enter the forum as a non-registered user and try to dislike a comment.**

**Are you forbidden from disliking a comment?**

**Enter the forum as a registered user, go to a post and try to create a comment for it.**

**Were you able to create the comment?**

**Enter the forum as a registered user, go to a post and try to create an empty comment for it.**

**Were you forbidden from creating the empty comment?**

**Enter the forum as a registered user and try to create a post.**

**Were you able to create a post?**

**Enter the forum as a registered user and try to create an empty post.**

**Were you forbidden from creating the empty post?**

**Try creating a post as a registered user and try to choose several categories for that post.**

**Were you able to choose several categories for that post?**

**Try creating a post as a registered user and try to choose a category for that post.**

**Were you able to choose a category for that post?**

**Enter the forum as a registered user and try to like or dislike a post.**

**Can you like or dislike the post?**

**Enter the forum as a registered user and try to like or dislike a comment.**

**Can you like or dislike the comment?**

**Enter the forum as a registered user, try liking or disliking a post and then refresh the page.**

**Does the number of likes/dislikes change?**

**Enter the forum as a registered user and try to like and then dislike the same post.**

**Can you confirm that it is not possible that the post is liked and disliked at the same time?**

**Enter the forum as a registered user and try seeing all of your created posts.**

**Does it present the expected posts?**

**Enter the forum as a registered user and try seeing all of your liked posts.**

**Does it present the expected posts?**

**Navigate to a post of your choice and see its comments.**

**Are all users (registered or not) able to see the number of likes and dislikes that comment has?**

**Try seeing all posts from one category using the filter.**

**Are all posts displayed from that category?**

**Did the server behaved as expected?(did not crashed)**

**Does the server use the right**[**HTTP method**](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods)**?**

**Are all the pages working? (Absence of 404 page?)**

**Does the project handle**[**HTTP status 400 - Bad Requests**](https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/400)**?**

**Does the project handle**[**HTTP status 500 - Internal Server Errors**](https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/500)**?**

**Are only the allowed packages being used?**

**As an auditor, is this project up to every standard? If not, why are you failing the project?(Empty Work, Incomplete Work, Invalid compilation, Cheating, Crashing, Leaks)**

**General**

**+Does the project present a script to build the images and containers? (using a script to simplify the build)**

**+Is the password encrypted in the database?**

**Basic**

**+Does the project run quickly and effectively? (Favoring recursive, no unnecessary data requests, etc)**

**+Does the code obey the**[**good practices**](https://github.com/01-edu/public/blob/master/subjects/good-practices/README.md)**?**

**+Is there a test file for this code?**

**Social**

**+Did you learn anything from this project?**

**+Can it be open-sourced / be used for other sources?**

**+Would you recommend/nominate this program as an example for the rest of the school?**