# CELFS Website

User Manual

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1.1: The website

For our second year software product engineering project, we have created the website that can be found in this link: https://celfs.spe.cs.bris.ac.uk/ The website was designed to facilitate the marking process and reduce the necessary admin. This guide will explain the use of the various components of the website for both teachers and admins and illustrate all possible use cases.
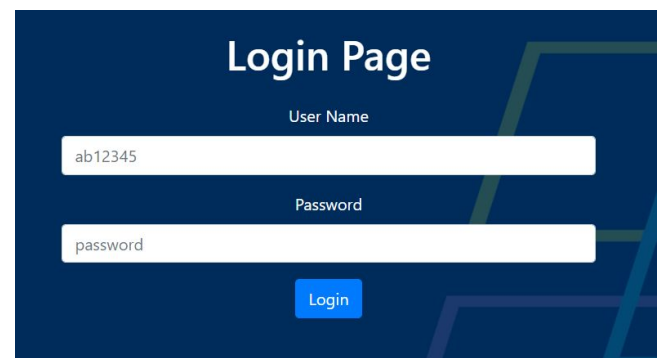
1.2: Logging in

Upon visiting the link, you will be directed to our landing page. As indicated on the top right corner, you are not yet logged in.

Please log in.
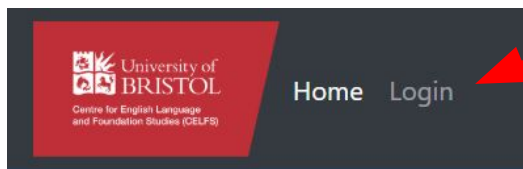
To do so, you will want to look at the top left, and click on the login tab of the navigation bar.

You will then be directed to our login page, where you need to enter your username and password and then click the "Login" button.

Login Page

User Name

ab12345

Password

password

Login

If this message is displayed, you have entered incorrect details. Please try again and, if unsuccessful, contact the system administrator.

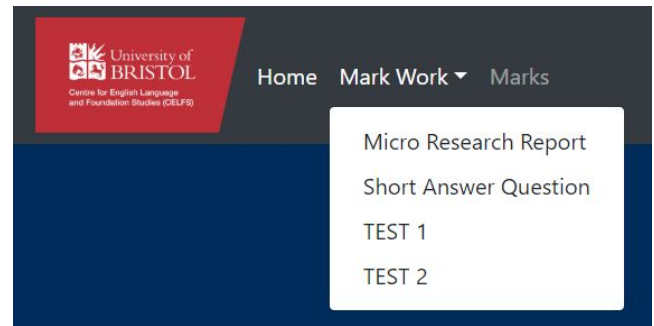User Name/Password combination incorrect. Please try again.

Upon successfully logging in, you will be able to see your username at the top right corner, as well as the "Logout" button.

Logged in as teacher1. Logout

2.1 Marking an essay

To get to the marking page, you first need to click on "Mark work" in the navigation bar. Upon doing so, a menu will appear.


After clicking on the type of work you want to mark, you are directed to the relevant page. After filling in the Student ID field, you begin marking by clicking on one of the three categories. They can be expanded or minimized at any time by simply clicking on them.

Each category has a set of rows, each row representing a criterion, and each cell containing the description for that band, for that criterion. You can select a band by clicking on the respective box, which will then change color. You can change your selection later.

You can add a comment for that criterion by clicking on "Add comment", this will be visible to Admin but will not be released to the student. You can then hide the comment box by clicking on "Hide comment"
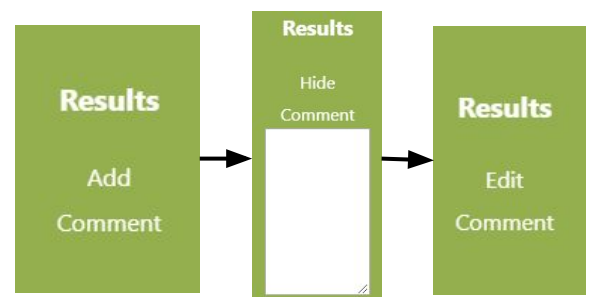
You can also input an overall comment at the bottom of the page.

Hovering over a keyword (colored and underlined) will bring up a definition for that word in this context.

Once you are done you need to click on the "Review" button to be taken to the Review page.

2.2 Reviewing marks

The review page shows the name of each criterion, the band the student was awarded for that criterion, and the comment, if any.

It will also display the grade the student received for each category of criteria, on average.

You can also find the overall comment at the bottom of the review page

If you are happy with the marks and comments, you can click submit, if not, click edit and you will be taken back to the previous page and be able to edit your selections.

Successfully submitting the marks will take you to this page where you can see the student's final mark.

Result Page

Thank you for submitting your marks.

Student ab12348 got 65.0.

You can also visit the Marks page through the navigation bar, where you can see all marks you have submitted along with some relevant details. You can also search by student number or type of work.

Show Marks

These are the marks:

[   ] [<All Works>   ▼] [Search]

Micro Research Report

| Student ID	Teacher ID	Task Fulfilment and Content	Language Use and Style	Text Organisation	Mark	Comment
ab12348	teacher4	65	65	65	65.0	

If a student has been double-marked, the information will appear in red. Double marking can be resolved by admins.

| ab12345 | teacher1 | 68 | 55 | 55 | 60.2 |

3.1 Student information

Admin users can view the information of registered students by visiting the "Students" tab of the navigation bar.
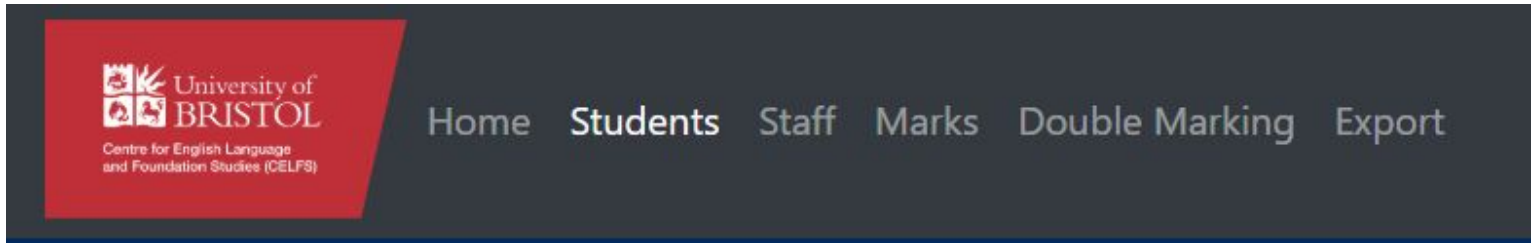
You can also add student by inputting their information and clicking the "Add student" button.

3.2 Staff information

Similarly, you can view staff information on the staff tab, as well as add new users by submitting a username and password for them and selecting whether they are a teacher or admin.

3.3 The marks page

The "Marks" page doesn't only allow you to view the marks teachers have inputted, but also change (for example due to late submission) or delete them. To do so, change the number of the final mark (to a negative number, if you want to delete the entry) and press the update button near the top.

| ab12348 | teacher1 | 65 | 65 | 65 | 65.0 | overall comment |

A row in red indicates that work for that student has been double mark and needs to be resolved.

| ab12345 | teacher1 | 68 | 55 | 55 | 60.2 | |

3.4 Resolving double marks

To resolve double marks, visit the "Double Marking" page. There, you can see the student ID, coursework type, overall score from the first marker, and overall score from the second marker.

Student ID	Coursework Type	Overall Score #1	Overall Score #2	Resolve
ab12345	Micro Research Report	61.0 (teacher2)	60.2 (teacher1)	Resolve Marks

Clicking the "Resolve Marks" button will take you to a page similar to the regular marking page (see 2.1) where you will be able to see the selections of each marker for each criterion, and make a final selection.

| Response Add Comment | Rigorous, lucid, creative & original response | Complete, relevant, fairly sophisticated response to task with noticeable quality of ideas | No major omissions and mostly relevant response to task but may lack sophistication | No major omissions with some successful attempts to communicate main ideas but some repetition, irrelevance | Minimal response to task, with only one major omission (missing one IMRD section, missing source, no reference list, no visual summary) | Inadequate response to task which misses more than one major element of task | Fails to address the general scope of the task | No attempt at task; evidence of cheating |

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After making a selection for each criterion, you can review and submit the marks, resolving the double marking

3.5 Exporting marks

To export and download the marks for all students as an Excel file you need to visit the "Export" page and click the "Export Database" button.

This cannot be done if there are double marks to resolve.

4. Deployment

This part of the manual is for Ubuntu. It is applicable for all distributions of Linux with little or no changes.

➢ To run the application, maven must be installed. This can be done by running the following commands:
    $ sudo apt-get update
    $ sudo apt-get install maven

➢ Port 443 (the default for hpps, on which the website is running) must be allowed by the firewall. This can be done with the following commands:
    $ sudo ufw allow 443
    $ sudo iptables -F

➢ Running the website is done with the command:
    $ mvn spring-boot:run

➢ This would make it necessary for the terminal to stay open while the application is running. In order to circumvent that, we can redirect the output. This is done with the following command:
    $ sudo nohup mvn spring-boot:run &

➢ It is recommended to run the server with the first command before using the second one. This is due to the available error messages which would otherwise be harder to explore.

➢ It must be noted that this website has a https certificate for a specific domain name: "celfs.spe.cs.bris.ac.uk". This means that it would only work for the domain it was registered for. In order to use another domain:
    a. A new SSL/TLS certificate must be acquired. This can be done for free from Let's Encrypt.
    b. The certificate must be converted to PKCS 12.
    c. It must be moved in place of the "keystore.p12" in the project directory.
    d. The application.properties must be changed in order to reflect the details of the new certificate. In particular, line 18 must reflect its password, while line 20 must be its Alias.
    e. It is also possible to use the certificate without moving it to the project directory. This can be done by changing line 17 of the application.properties to the location of the new certificate.