# Software Requirements

## User Interfaces

### User login to the website using their MLS login credentials

### Once logged in, the user will be presented with a list of courses from the current term that the user has permission to set grades for.

### Selecting a course will expand/collapse the course’s grade items

### The Grade Item page will be opened once a grade item is selected.

#### An Upload button will open a file selection dialog for selecting an Autograder file.

#### \_\_\_manual input

### \_\_\_The user will finalize any grades uploaded and/or entered by pressing a 'submit' button.

### A report page will show the user any uploaded grades that have been submitted. Any errors in the submission will also be displayed.

### HowareErrorsHandled\_\_\_Should any errors arise in the submission, the report page will allow the user to either ignore the error (not upload the grade) or to go back to the upload page.

### The report page has a \_\_ button and a \_\_\_ button

### \_\_\_ needs to work on standard web browsers (Internet Explorer, Mozilla Firefox, Google Chrome, Safari, etc.)

## Functional Requirements

### Login. Occurs when users click the Login button on the Login page.

* If the Brightspace API cannot identify the user, they will not be able to login and use the service. Similarly, if the user is identified but does not have permission to edit grades of any courses (determined by the Brightspace API), they will not be able to login and use the service.
* Else, the user is brought to the Course List page

### Upload/parse file. Occurs once Upload has been clicked and the user has selected a file in the file dialog.

* If the file is not a correctly formatted Autograder file, an error message is displayed and the file is not parsed.
* If a necessary parameter for a grade is missing, that grade will not be accepted.
* Only grades for which the total grade is greater than or equal to the grade received will be accepted (i.e. 45/23 is not a valid grade).
* Grades will only be accepted for students that are currently enrolled in the selected course.
* The results of the parsing will be relayed to the user on the Report page.

### Get manually input data. Occurs when user has \_\_\_\_manualldls.

* The data that has been input for the selected student(s) will be stored.
* Only grades for which the total grade is greater than or equal to the grade received will be accepted (i.e. 45/23 is not a valid grade).
* If no grade value has been entered for a student, the user will be prompted to choose if they want to go back and set a grade value or continue. If they continue, no grade will be set for the student.
* Any unaccepted grades will be relayed to the user on the Report page.

### Set grade and feedback data. Occurs once manually input data has been stored or upload or after upload.

* Sets grades and feedback in MLS database.

### Logout. Occurs when user clicks Logout.

* User’s session will be terminated and they will need to login again to access the service.

## Performance Requirements

### \_\_\_ needs to be able to handle a file containing hundreds of records in under \_\_\_

### The website must be able to handle multiple concurrent users.

## Security Requirements

### Only those who have permission to set grades will be allowed past the login page.