

Statement of Work

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Course Materials Bulk-Download
Jul - Dec 2019 MUA Project Cycle
for Moodle 3.10

between

Moodle Pty Ltd

and

Moodle Users Association Inc

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Summary and Scope

This document describes the statement of work associated with the MUA "[Download all ...](#)" project.

Deliverables for the project include:

- The specified functionality provided in Moodle core
- Release documentation - Moodle docs, video, notes
- Release communications and marketing, including notification in the project tracker ticket, special notes concerning this as an MUA project

The scope of the project is described below. Changes to this scope will require a Scope Change Agreement between Moodle Pty Ltd and Moodle Users Association that outlines the change and impact on time, cost, and other relevant elements.

Project Description: Course Materials Bulk Download ([MDL-63270](#))

This project proposal covers the use case of a student downloading course materials from Moodle. The main reasons students want to do so, are:

- The ability to study offline;
- For archiving purposes once a course is finished and the student loses access.

Notes:

- 1) The Moodle App offers the ability for students to access courses and materials offline while remaining in the App. Any work done offline will be synced with the Moodle site when they connect to the internet. The proposed functionality here is different in the sense that it will enable downloading of materials to access them at a later point outside of Moodle. Plugins exist with similar functionality; e.g. the [Download Center](#) plugin.
- 2) The proposal also contains certain use cases for a teacher doing assessments. These use cases are out of scope for this project due to budget constraints. Additionally, the proposed teacher use cases should be further evaluated to determine whether the desire to download materials is a symptom of deficiencies in some of the activity modules. If so, the preference would be to improve the activities and remove the need for downloading of files.

Scope

Within scope:

- Both students and teachers will be able to download all file and folder resources in a course that they have access to at the time of download. The download will be in the form of a zip file.
- Both students and teachers will be able to download the content contained within the Moodle label and page resources that are part of the course.
- Administrators will be able to enable/disable the course materials download at a site-wide basis.
- Administrators will be able to set size limits on file sizes downloaded.
- An API will be provided, allowing the download feature to be extended in the future to other core or third party activities or resources, by implementing that API.

Only if budget allows:

- The download materials feature can be controlled at the course level. Teachers will be able to enable/disable this feature within a course.

Out of scope:

- No work will be done to include student submissions, either for students or teachers. Students are expected to use portfolio features and/or activity export functions for this. No consideration is given for teachers for this function for this project.
- Other than the label and page resources, no materials will be downloadable from activities as a result of this project. However, an API will exist to allow more activities the ability to code these features in as future work.
- Students cannot control what materials are downloaded. The materials that are downloaded are controlled by the feature's code.

User stories

User stories for a student/teacher:

User story	Acceptance Criteria / Confirmation
<p>As a student/teacher I can bulk-download course materials So I can access them offline for study or reference purposes</p>	<ul style="list-style-type: none"> • I can click a button or link on the course page to commence the download • I am presented with a zip-file containing the course materials that I can save on my computer <p>Optional (pending feasibility as these might require simplification, see note on the prototype below):</p> <ul style="list-style-type: none"> • I am shown an information message letting me know which materials will be included in the download, total files and file-size • I am shown an information message in case the download file exceeds the file size allowed by the system administrator
<p>As a student/teacher I can explore the downloaded zip-file with course materials on my computer So I can easily navigate the downloaded content</p>	<ul style="list-style-type: none"> • I can save the zip-file with course materials on my computer • I can open the zip-file with course materials and access and open every file and folder that was downloaded • I can open the zip-file and access any content from labels and pages that are part of the course • I can <u>not</u> access any files/folders/labels/pages that I do <u>not</u> have access to within the course (e.g. hidden, access restricted files). They are not included in the zip-file
<p><u>Only</u> if budget allows</p> <p>As a teacher I can enable / disable the bulk-download feature in my course So that I maintain a higher level of control over the distribution of course materials</p>	<ul style="list-style-type: none"> • I can enable / disable the bulk-download feature in the settings for my course.

User stories for a administrator:

User story	Acceptance Criteria / Confirmation
As an administrator I can enable / disable the bulk-download feature So that I can control this functionality at a site level	<ul style="list-style-type: none">I can enable / disable the bulk-download feature for the entire site from the site administration settings
As an administrator I can set the maximum allowable file-size for the bulk-download feature So that I can stay in control of the load on my site	<ul style="list-style-type: none">I can set the size-limit for the zip-file download

Preliminary UI mock-ups

[Note: This is an initial prototype. Some of the behaviours in the prototype are pending user feedback and feasibility assessment. E.g it might be difficult and/or computationally expensive to determine total number of files and download size. Hence, the information messages might be adapted or removed.]

Full prototype: <https://invis.io/PTY9T7SVG4C>

- 1) Download link / button for a student:
<https://projects.invisionapp.com/share/PTY9T7SVG4C#/screens/427133886>
- 2) Download link / button for a teacher:
<https://projects.invisionapp.com/share/PTY9T7SVG4C#/screens/427132302>
- 3) Information messages about:
 - a) What is included in the download, number of files and file size
<https://projects.invisionapp.com/share/PTY9T7SVG4C#/screens/427136982>
 - b) In case the file-size limit is exceeded
<https://projects.invisionapp.com/share/PTY9T7SVG4C#/screens/427140826>
- 4) Administration settings:
<https://projects.invisionapp.com/share/PTY9T7SVG4C#/screens/427139438>