# Assignment Response Zipfile support

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## Overview

Allow a teacher to upload a zipfile containing multiple feedback response files to assignment submissions.

### Notable Behaviors

#### Teachers (or anyone with the ‘grading’ capability)

Accessing the page (local/assignment\_responsezip/responsezip.php) allows a teacher to upload a zipfile, or otherwise source one, using the built-in Moodle 2.x file repository functions.

The zipfile that is uploaded must contain only files with the same filenames as the existing submissions. The intended use case is as follows:

1. Instructor downloads the assignment submissions as a zipfile
2. Instructor edits the assignment submissions on their local computer, adding comments and feedback, saving the file back into the downloaded zipfile.
3. Instructor uploads the zipfile with the revised submission documents.

## Installation

To install the plugin, extract the tarball (assignment\_responsezip.tar.gz) into the ‘moodle/local’ directory. Once the file is extracted, the next time an administrator logs in to the moodle interface, they will be prompted to install the module.

You will need to publish a link somewhere to allow teachers to easily access the ‘moodle/local/assignment\_responsezip/responsezip.php’ file. The most logical place for this is immediately below the ‘Download all assignments as a zip’ link on the submissions page. Unfortunately, this requires patching core code. I’ve included a patch file to take care of this, which is detailed in the README file included with the tarball. Instructions to apply the patch are listed there as well.

## Testing

### Test cases setup

You should have an assignment with a number of documents submitted it in order to fully test this plug-in. This plug-in is also compatible with the ‘Team/Group Assignment’ modifications that we’ve made elsewhere. If you wish to test that functionality as well, you should have a team/group based assignment, with multiple documents submitted to it.

### Test cases

#### Respond to assignment submissions using a zip file

1. Login to the Moodle site as a user with ‘grading’ privilege to a course with an assignment.
2. Navigate to the existing course with the assignment that has some submitted documents.
3. Navigate to the assignment that has some submitted documents.
4. Click the ‘View *x* submitted assignments’ link
5. Click the ‘Download all assignments as a zip’ link, and save the zipfile.
6. Move the zipfile to a known place (ie. Desktop)
7. Open the zipfile, then for each of the submitted files, do the following:
   1. Open the file in the appropriate program (ie. word) by double-clicking
   2. Edit the file (you may have to enable editing), adding some comments
   3. Save the file to a known location, **using it’s original filename** (ie. desktop).

Note that you’ll not be able to save it directly back into the zipfile.

* 1. Drag the file you just edited back into the zipfile

1. Click the ‘Upload responses as a zip’ link on the submissions page.
2. Click ‘Choose File…’, ‘Upload a file’, then ‘Browse…’
3. Select the zip file that contains the edited files, then click ‘Open’
4. Click ‘Upload this file’
5. Once the file is uploaded, click the ‘Submit response files’ button.

The system should return you to the assignment page without error.

1. Return to the submissions page, and click the ‘Update’ button for a submission to view the feedback response files.

The response file that was uploaded for this assignment should be visible, with the filename ‘Feedback\_originalfilename’.

## 

## Algorithms / Code Changes

### Database changes

There are no schema changes in this plug-in.

### Logic Changes

There are no changes to existing logic, with the possible exception of adding a link within the /mod/assignment/lib.php file. ALL code changes are encompassed within the ‘wwwroot/local/assignment\_responsezip’ subdirectory.

#### responsezip.php

After accepting an uploaded file from the form generated by responsezip\_form.php, the code unzips the file to a temporary area, then for each file that was within the uploaded zip file:

1. Finds the userID or groupID that matches the name prepended to the filename
2. Uses the userID or groupID, in combination with the current assignment, to determine the appropriate submission.
3. Moves the file to the appropriate assignment module area, prepends the filename with ‘Feedback\_’, and sets the file attributes to match the submission ID