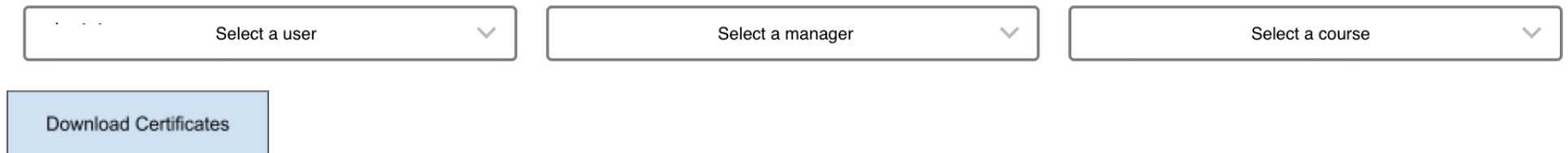


Develop a Certificate Generator plugin for LearnDash

Plugin name: LPFDU Certificate Generator for LearnDash

Purpose: the plugin will allow users to bulk download certificates based on specific conditions.

Usage: the plugin will provide a shortcode or a block that, when displayed on the front-end, will render something like the picture below.



The image shows a user interface for a certificate generator plugin. It consists of three horizontal dropdown menus and a button below them. The first dropdown is labeled 'Select a user', the second 'Select a manager', and the third 'Select a course'. Each dropdown has a small downward arrow on its right side. Below these three filters is a blue button with the text 'Download Certificates' in white.

In the picture, we see 3 filters and 1 button.

- Filter “select a user” will display a list of all WP users except Administrators. List is alphabetical, and the values should be the WP Display Name.
- Filter “select a manager” will display a list of all WP users that have the custom WP user role “manager”. List is alphabetical, and the values should be the WP Display Name.
- Filter “select a course” will display a list of all LearnDash courses (post type sfwd-courses). List is alphabetical, and the values should be the post title.
- The “download certificates” button will launch a sequence of events described below.

Steps after the button is clicked:

1. The filters and button will be hidden and this message will appear to the user : “Thank you for downloading certificates. You will receive an email when your ZIP archive is ready.”
2. The plugin will generate the certificates for the users/courses matching the filters. The plugin will save the certificates in a temporary folder under wp-content/lpfd-certificates/... (we don’t want the PDF files to be exposed to the internet. They need to be secured.).
3. The plugin will create a ZIP archive and a link to download the Zip file.
4. The plugin will send an email to the user that requested the certificates, with the download link.
5. The plugin will clean-up the PDF certificates, but the ZIP will stay.
6. That’s it!

Security

- 1) Any user, regardless of their WP user role, can access the shortcode.
- 2) The data displayed in the filters will follow these security rules:
 - a) A user with the role “stagiaire” may only see his own data.

- b) A user with the role “manager” may only see his own data + the data of his team members.
- c) A user with the roles “administrator or responsable-lms or rh” may see everybody’s data.

Additional Information & rules

- > Later after this project, maybe I will want to add other filters such as enrolment dates, completion dates, other user meta. I need your code to be extendable so, if we want to add filters later it is easy.
- > Each user has a manager and that information is stored in wp_usermeta with key lpfd_u_azure_manager_email.
- > I want to be able to edit the email’s content myself in HTML. No need to provide a graphical interface, I’ll edit the php files myself.
- > Further evolutions if everything goes right after this project: Make the plugin translation-ready; Generation logs; etc.