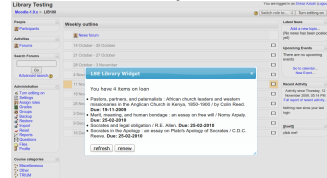# Moodle Block Documentation

What does it do?
The Library Widget is a standard moodle block that uses a modal window interface to allow users to view and renew their items.

What does it look like and how does it work?
In the example screenshot you can see it on the bottom right hand side as: [[lswt]].

In the example a user has clicked the 'click me!' element to load the Library Widget.
It automatically populates itself with the user's on loan items, clicking 'Refresh' reloads the items; via. API call D.

The 'renew' button works via. API call E.

Where is it?
All of the files you need for the block are included with your middleware in the following directory:
librarywidgets/widgets_et\ cetera/moodle_block/lswt
'lswt' stands for Library Social Widget Toolkit.

Assumptions
Users must first login to moodle. Ordinarily, the first time someone uses the Library Widget, we would use API call B to create a patron mapping for them in the middleware database, however the user's Library credentials needed are unavailable in the moodle environment.
Our implementation gets around this by using the user's network username (which can be used by the middleware to work out their institution id) through use of API call H. This call is dependent on configuration so can be customised to work in situations where using usernames is not viable.

Setup
1. Implement the configuration detailed in the documentation for API Call H.
2. Point it at your Middleware:
Update the dummy $mw value: "https://your-site.ac.uk/librarywidgets/rest/" with the location of your middleware in the 2 files:
lswt/loans.php
lswt/renew.php

Testing
Copy your lswt directory to your moodle installation's 'blocks' directory.
Add the block to courses via. the moodle user interface.