

## Adding Modules to Drupal

Modules are to Drupal what Plugins/Widgets are to Wordpress; they're extensions to add additional functionality to the Drupal content management system. One thing to watch out for with modules in Drupal is be sure to only choose modules that are designed to work with your version of Drupal; it seems that even more than the other content management systems we've worked with, Drupal changes things between versions so much that modules that worked in one version may not work in the next. This is something to be very aware of if you are thinking of updating an existing installation; I would recommend doing a clean install of the new version of Drupal in another directory and making sure the modules you use will work before actually doing the upgrade. In addition, it is imperative that you make a backup of your whole site before doing an update, just in case things go wrong.

1. To find modules, go to the following site: <http://drupal.org/project/Modules> . There are several dropdown choices, I would suggest filtering by Actively maintained, under active development, and Works with matching your installation (in our case, Drupal 9), status "Full Projects", Stability "Has a supported stable release", Security advisory coverage "Has security advisory coverage". (Note, if you want to double check your core compatibility, if you are not sure what version you have, log into your drupal site, go to Reports, then status). Note that one of the options you can choose is Module Category, so you can narrow the list down by the kind of module, and you can also search the modules and sort in different ways.
2. I am going to download and set up a weather module. The one I picked was at <https://www.drupal.org/project/weather> .

- Once there, scroll down the page and you will see where you can download the module. Download the zip file for your Drupal version (you are probably running version 9, but check to be sure). Be sure to remember where you saved it.

more info about Drupal's packagist naming convention you can find here: [#3066033: \[D8\] Weather module can't be installed correctly via Composer](#)

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**Project information**  
 Module categories: [Location](#), [Utility](#), [Views](#)  
 2,376 sites report using this module

Stable releases for this project are covered by the [security advisory policy](#).  
 Look for the shield icon below.

**Downloads**

**2.0.1** released 8 October 2021  
 Requires Drupal: ^8 || ^9  
 ✓ Recommended by the project's maintainer.  
 | [tar.gz \(654.23 KB\)](#) | [zip \(809.63 KB\)](#)

Development version: [2.0.x-dev](#) updated 8 Oct 2021 at 09:01 UTC  
 Testing result: [PHP 7.4 & MySQL 5.7, D9.3 5 pass](#) [all results](#)

**8.x-1.0** released 3 March 2021  
 Requires Drupal: ^8 || ^9  
 ✓ Recommended by the project's maintainer.  
 | [tar.gz \(654.06 KB\)](#) | [zip \(810.65 KB\)](#)

Development version: [8.x-1.x-dev](#) updated 3 Mar 2021 at 10:19 UTC  
 Testing result: [PHP 7.4 & MySQL 5.7, D8.9.13 5 pass](#) [all results](#)

**7.x-3.1** released 3 March 2021  
 Requires Drupal: 7.x  
 ✓ Recommended by the project's maintainer.  
 | [tar.gz \(692.9 KB\)](#) | [zip \(835.87 KB\)](#)

[View all releases](#)

**Thank you to these Drupal contributors**  
 Top Drupal contributor [Acquia](#) would like to thank their partners for their contributions to Drupal.

THIRDLAND GROVE | ACRO | mediacurrent | QED42 | CINT | FFW | palantir.net | Lullabot | FOUR KITCHENS | Phase2 | srijan:

Infrastructure management for Drupal.org provided by [tag1](#)

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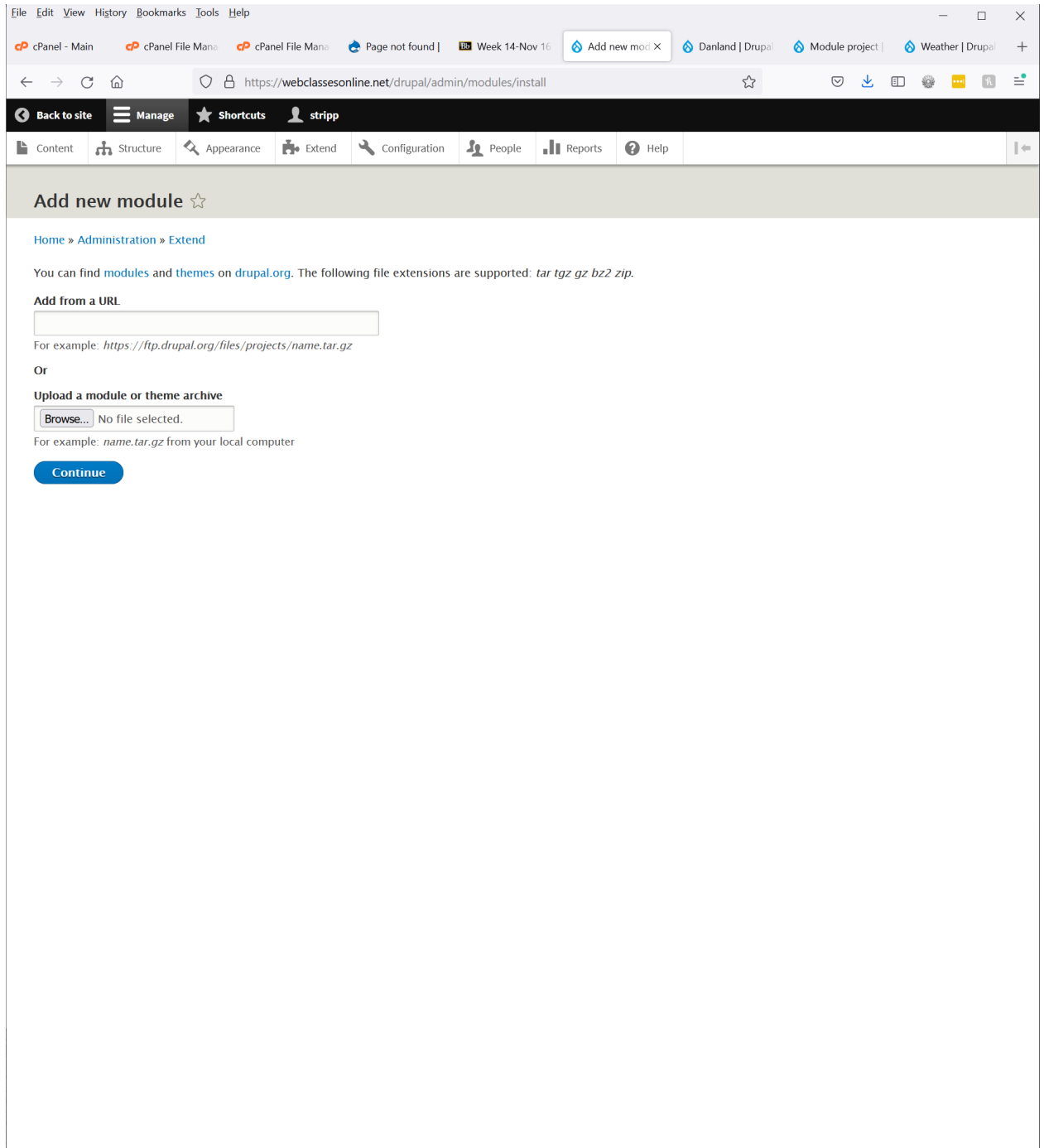
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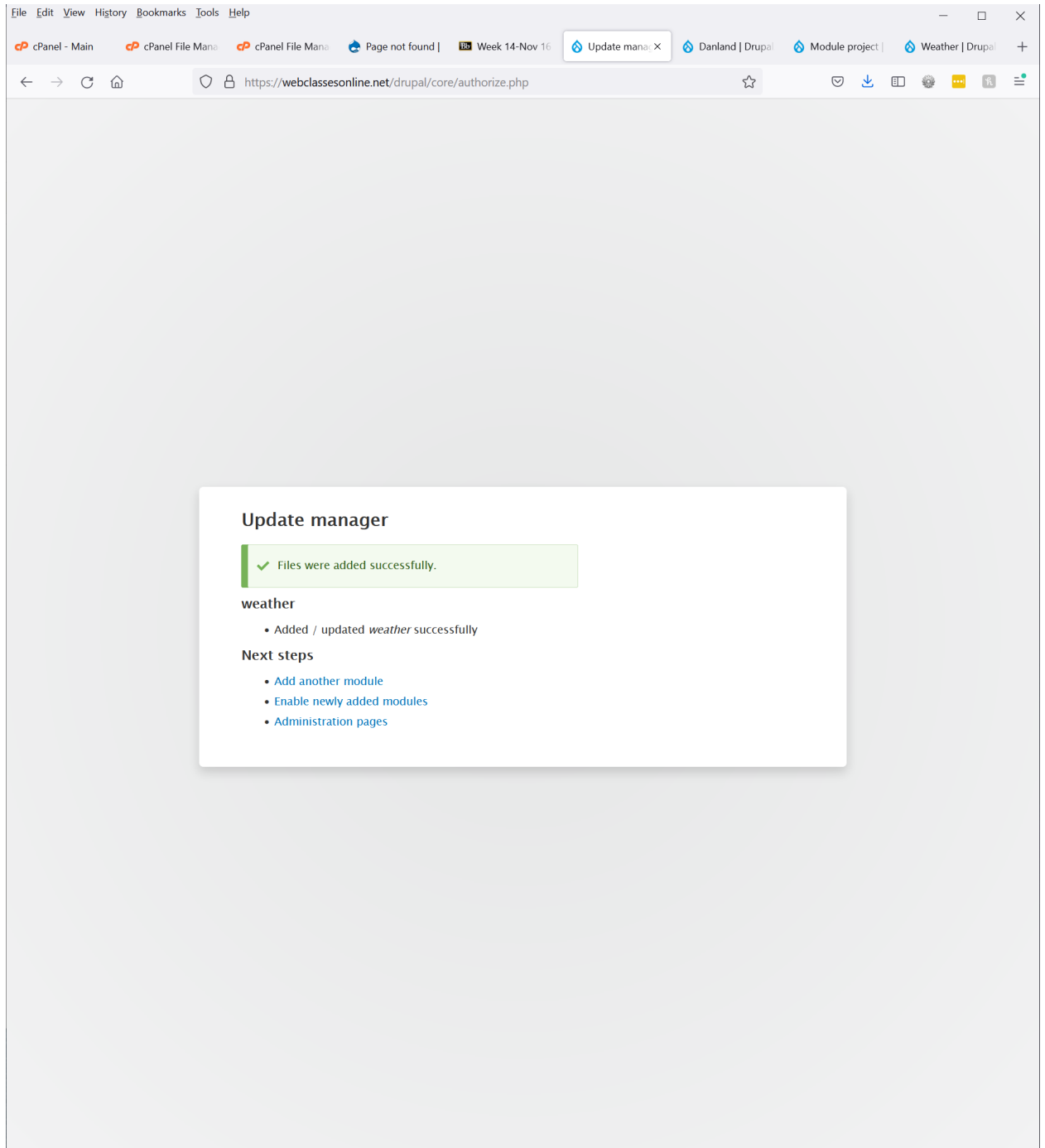
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<https://ftp.drupal.org/files/projects/weather-2.0.1.zip>

- Go to your Drupal site and log in, and then on the administration bar at the top, choose the Extend link. Once there, click the “Add new module” link. This will bring you to the following page:



5. Use the browse button to browse and find the zipped file you downloaded, then click the Continue button.
6. It should come up to a success screen like this:



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IF YOU GET ERRORS: Hit your back button on your browser, then click on Extend again. It should still display the weather module down at the bottom of the page under the heading "OTHER". If it does not, follow the alternate steps below.

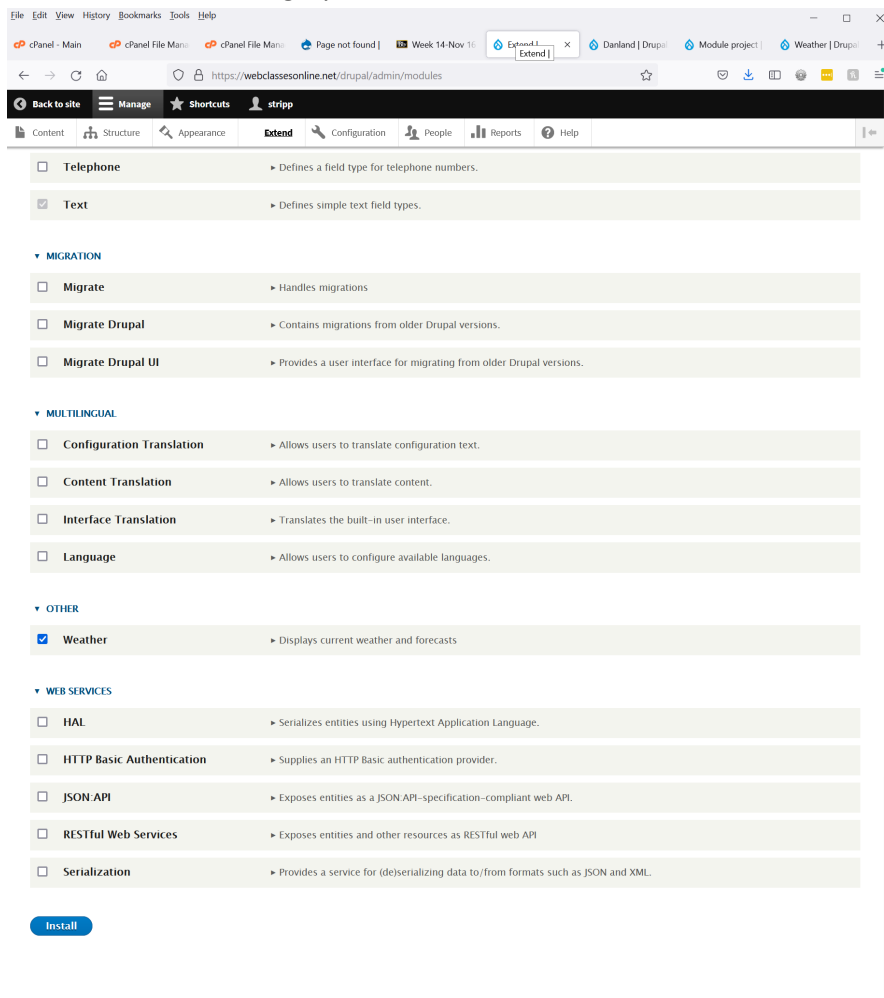
IF IT WORKED OK, skip to the instructions below "alternate steps".

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ALTERNATE STEPS

1. Unzip the file you downloaded.
2. Open your ftp program and connect to your site, then go into the folder where you installed Drupal and find the “modules” folder. Double click on this to open it, and then upload the folder you just unzipped to the module folder.
3. Now log into your Drupal site and click on Modules in the administrator bar. The weather module should be displayed at the bottom of the page under the heading of “OTHER”. You can now continue as normal.

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7. If everything works as it should, click on the “Enable newly added module” link
  8. You should see a screen that looks like the following. Check the “enabled” checkbox next to “Weather”, then click the Install button. Note that you may need to scroll down a bit; it will be under the "Other" category.



9. It should give you a success message at the top of the page; within the green success message, click on the link "module configuration page"

The screenshot shows a web browser window with the URL <https://webclassesonline.net/drupal/>. The page title is "Extend" and it features a navigation menu with options like "Content", "Structure", "Appearance", "Extend", "Configuration", "People", "Reports", and "Help".

At the top of the main content area, there are three tabs: "List", "Update", and "Uninstall". Below these, a breadcrumb trail reads "Home » Administration".

A green success message box contains the text: "✓ You should now import weather places to use within the module. To start the import, visit the [module configuration page](#). Module *Weather* has been enabled."

Below the success message is a yellow warning message box: "⚠ There was a problem checking available updates for your modules or themes."

The page then provides instructions: "Add contributed modules to extend your site's functionality. Regularly review and install available updates to maintain a secure and current site. Always run the update script each time a module is updated."

A blue button labeled "+ Add new module" is visible. Below it is a search input field with the placeholder text "Filter by name or description" and the instruction "Enter a part of the module name or description".

A section titled "CORE" is expanded, showing a list of modules with checkboxes and descriptions:

- Actions** ▶ Allows configuration of tasks to be executed in response to events.
- Activity Tracker** ▶ Enables tracking of recent content for users.
- Aggregator** ▶ Gathers and displays syndicated content (RSS, RDF, and Atom feeds) from external sources.
- Automated Cron** ▶ Provides an automated way to run cron jobs, by executing them at the end of a server response.
- Ban** ▶ Allows administrators to ban visits from specific IP addresses.
- BigPipe** ▶ Sends pages using the BigPipe technique that allows browsers to show them much faster.
- Block** ▶ Controls the visual building blocks a page is constructed with. Blocks are boxes of content rendered into an area, or region, of a web page.
- Book** ▶ Allows users to create and organize related content in an outline.
- Breakpoint** ▶ Manages breakpoints and breakpoint groups for responsive designs.
- CKEditor** ▶ WYSIWYG editing for rich text fields using CKEditor.
- Color** ▶ Allows users to change the color scheme of compatible themes.
- Comment** ▶ Allows users to comment on content.

10. It should look something like this:

The screenshot shows the Drupal administration interface for the Weather module. The browser address bar indicates the URL: <https://webclassesonline.net/drupal/admin/config/user-interface/weather>. The page title is "Weather" with a star icon. Below the title are two tabs: "Displays" (selected) and "Places". The breadcrumb trail is: Home » Administration » Configuration » User interface. The main content area contains the following elements:

- A paragraph: "You can add, edit, and delete locations from system-wide weather displays. Moreover, you can specify default values for newly created displays. If you want to change the format of the displayed date, you can do that in the [date configuration](#)."
- Two buttons: "+ Add display" and "+ Edit default display".
- A button: "▶ IMPORT/REIMPORT PLACES".
- A section titled "Directory for custom images" with an empty text input field.
- A paragraph: "Use custom images for displaying weather conditions. The name of this directory can be chosen freely. It will be searched in your active theme (currently *themes/danland*)."
- A section titled "Number of forecast days" with a dropdown menu set to "2".
- A paragraph: "You can configure the number of days for the forecast displays in blocks."
- A button: "Save configuration".

11. Click "Add display"

12. Change Display configuration to Fahrenheit, Wind Speed to mph, Pressure to kPa, Distance to UK miles, and then check all the boxes at the bottom and click “Save”

The screenshot shows a web browser window with the URL <https://webclassesonline.net/drupal/admin/config/user-interface/weather/system-wide/add>. The page title is "Add Weather display". The breadcrumb trail is "Home » Administration » Configuration » User interface » Weather".

**DISPLAY CONFIGURATION**

**Temperature**  
Fahrenheit  
Unit for displaying temperatures.

**Wind speed**  
mph  
Unit for displaying wind speeds.

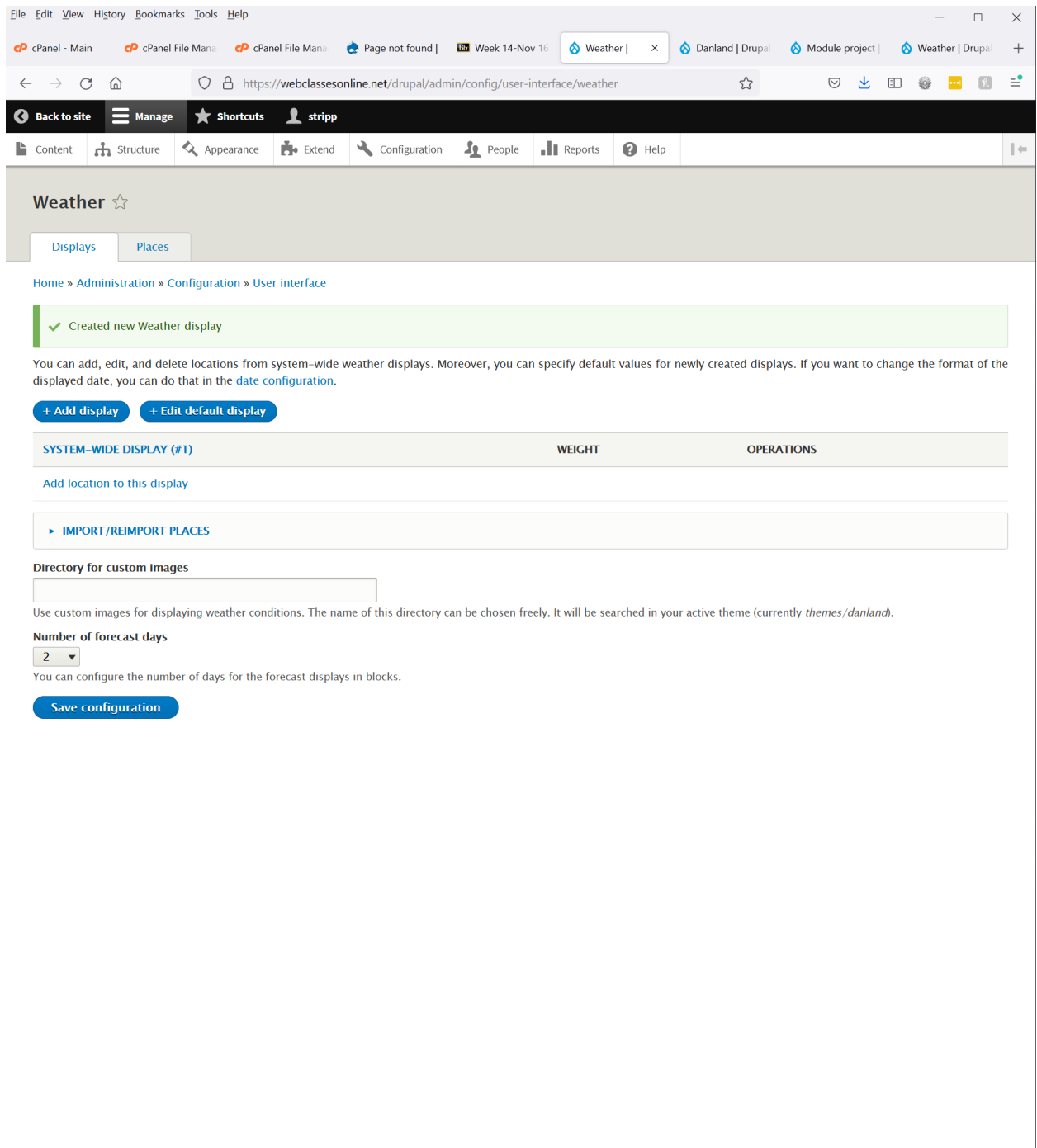
**Pressure**  
kPa  
Unit for displaying pressure.

**Distance**  
UK miles  
Unit for displaying distances.

- Show times of sunrise and sunset**  
Displays the times of sunrise and sunset. This is always the local time.
- Show windchill temperature**  
Displays the windchill temperature. This is how the temperature "feels like". Note that windchill temperature is only defined for temperatures below 10 °C (50 °F) and wind speeds above 1.34 m/s (3 mph).
- Show abbreviated wind directions**  
Displays abbreviated wind directions like N, SE, or W instead of North, Southeast, or West.
- Show degrees of wind directions**  
Displays the degrees of wind directions, for example, North (20°).

**Save**

13. This will bring you back to a page that looks like this:



The screenshot shows the Drupal administration interface for the Weather module. The browser address bar indicates the URL is <https://webclassesonline.net/drupal/admin/config/user-interface/weather>. The page title is "Weather" and it features a breadcrumb trail: Home » Administration » Configuration » User interface. A green success message states "Created new Weather display". Below this, a text block explains that users can add, edit, and delete locations from system-wide weather displays and specifies default values. Two buttons are visible: "+ Add display" and "+ Edit default display". A table with the following structure is present:

SYSTEM-WIDE DISPLAY (#1)	WEIGHT	OPERATIONS
Add location to this display		

Below the table is a button labeled "IMPORT/REIMPORT PLACES". Further down, there is a text input field for "Directory for custom images" with a note: "Use custom images for displaying weather conditions. The name of this directory can be chosen freely. It will be searched in your active theme (currently *themes/danland*).". A "Number of forecast days" dropdown menu is set to "2", with a note: "You can configure the number of days for the forecast displays in blocks.". A "Save configuration" button is at the bottom.

14. Now click "Import/Reimport Places", then "Import places". It should then go to another screen to show the progress of the import. Once it has finished, it will go back to the original weather screen.

15. Now under "System-Wide Display (#1)", click "Add location to this display"

16. This will take you to the following screen; use the dropdown boxes to select the location you want the weather display to be for. The closest location I could find for what I wanted was

Springfield, Illinois. Once you have the location selected, click "Save"

The screenshot shows a web browser window with the URL <https://webclassesonline.net/drupal/admin/config/user-interface/weather/system-wide/1/add>. The page title is "Add a place to the display". The breadcrumb trail is "Home » Administration » Configuration » User interface » Weather".

The form contains the following fields:

- Country:** A dropdown menu with "United States" selected. Below it is the text "Select a country to narrow down your search."
- Place:** A dropdown menu with "Springfield, Illinois" selected. Below it is the text "Select a place in that country for the weather display."
- Displayed name for the selected place \*:** A text input field containing "Springfield, Illinois". Below it is the text "You may enter another name for the place selected above."
- Weight:** A numeric input field with "0" entered. Below it is the text "Optional. In the block, the heavier locations will sink and the lighter locations will be positioned nearer the top. Locations with equal weights are sorted alphabetically."

A blue "Save" button is located at the bottom of the form.

17. Make sure that the System-Wide Display box says "Springfield, IL" (or whatever location you chose); if it doesn't, click on the Edit button and make sure everything is as it should be, then Save again.
18. It now show up on the front page. If the location you chose doesn't work, try a different one.