Exercises: Extended Widgets

Test all exercises in development mode.

1. Make a button that, when pressed, pops up a dialog box that contains
   <h1>Wow! Button was pressed!</h1>

2. Copy the code for one of the examples from your last set of exercises that used
   tabbed panels. Change it to use stacked panels (aka accordion panels) instead.

3. Make a date-input field and a button. When the button is pressed, take the date that
   the user entered, look up the year, and insert that into the page.

4. Make a Java array that contains a few city names beginning with A and B. (See
   http://www.airportcodes.org/ for a list.) Make an auto-completing text box that lets
   the user choose a city name. For bonus “credit”, send the city name to Google when
   the user presses a button.

5. Make a menu bar where the top-level entries are “M”, “N”, and “O”. When you click
   on an entry, you should get a list of the US states starting with that letter. Here are the
   states:

   • M: Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri,
     Montana
   • N: Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York,
     North Carolina, North Dakota
   • O: Ohio, Oklahoma, Oregon

   Try the simple case first, where clicking on the letter shows the list of states, and
   clicking on a state pops up an alert (Window.alert) simply saying “A state was
   selected”. If you feel inspired, change it to now show which state was selected.