









DEADLINE: week 28 March - 3 April

 Lab 1 - HTML	
 Lab 2 - CSS simple	
 Lab 3 - CSS layouts	
 Lab 4 - XML, XSLT, Bootstrap	
 Lab 5 - Javascript	
 Lab 6 - JQuery	
 Lab 7 - Php, Ajax, JSON	
 Lab 8 - Angular, Php	
 Lab 9 - JSP, Java Servlets	
 Lab 10 - ASP.NET	

Documentation

Documentation can be found at:
1) <http://www.cs.ubbcluj.ro/~forest/wp>
2) <http://docs.jquery.com/Tutorials>
3) <http://www.w3schools.com/jquery/default.asp>

Problems

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which contains a table with 10 lines and 4 columns. The table should also have a column header and a column footer. When the user clicks on a cell from the header, the table content will be sorted in ascending order of the cells from the column that the user has clicked on. If the user clicks again on the header cell from that column, the table will be sorted again, but in descending order of the cells from that column. If the user clicks on a footer cell from column i, than the cells from column i will be interchanged with the cells from the column i+1 (if i+1=5, the first column is interchanged with column 4).

All Problems from this lab - if you want to practice

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Implement a puzzle with 4 rows and 4 columns using jQuery.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which displays in the middle of the browser window a horizontal slider containing a list of images. The slider should continuously slide from the left to the right side of the browser window. Each image that exits the browser window on the right side should enter the browser window on the left side. The sliding should be animated. If the user clicks on an image, the sliding is paused and a larger version of that window pops in the center of the browser window (just like images appear in the Lightbox javascript library). If the user clicks anywhere on this large image, the image dissapears and the sliding of the horizontal image bar is resumed.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page for a small game. The web page should display at random times images placed in random positions on the browser window. Each image lasts on the browser window for a short period of time and then it dissapears. If the user clicks an image before it dissapears, he/she gets a point. The game ends when the user wins 10 points.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which contains some text. When the user selects a word from the web page (by double clicking it), all the occurrences of this word should be highlighted with a different background.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which contains a stack of divs displayed one on top of each other. All divs has to have the same size. The user should be able to change the order of the divs in the stack by drag and drop operations. When the user drags a div outside the stack all other divs on top of it should fall down (using animated transition) to fill the empty space created by removing that div. Conversly, when the user inserts a div in the stack, some divs should shift up in order to make place for the new div.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which displays a horizontal dropdown menu. Each menu should drop down in a transition/animation when the user clicks the menu title. It should also not simply dissappear when the menu slides up again, it should be done in an animation. You are not allowed to use any independent CSS code (except CSS properties set through jquery method calls).

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE

ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which contains a table with 5 lines and 5 columns. Besides these 5 columns there are 2 special columns, one on the left side and another one on the right side containing buttons. If the user clicks on a button from the left column, the row of the table which contains that button will be deleted and all the rows above that row will be shifted down with one row. If the user clicks on a button from the right column, a new editable table row is added just bellow the current row. The user can edit this row and if all the cells from this row are filled with data, the row becomes read-only (like the rest of the rows in the table).

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which contains a form with at least 5 input fields and a button. If the user clicks on that button a modal interface window (actually a div) should pop out in the center of the browser window. This modal window should contain 4 input fields and a button. If the user clicks on that button, the modal window disappears and all the values inserted by the user in the modal window's input fields will be concatenated and added to a text field in the main form. During the time the modal window is displayed, the fields from the main form will be inactive and a transparrent gray div should be displayed on top of the web page (this grey div should be beneath the modal window and should occupy the whole browser window).

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which displays in the middle of the browser window a horizontal slider containing a list of images. The slider should continuously slide from the left to the right side of the browser window. Each image that exits the browser window on the right side should enter the browser window on the left side. The sliding should be animated. If the user clicks on an image, the sliding is paused and a larger version of that window pops in the center of the browser window (just like images appear in the Lightbox javascript library). If the user clicks anywhere on this large image, the image dissapears and the sliding of the horizontal image bar is resumed.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which displays a vertically sliding desktop like the ones used on the Android or iOS. The web page should have 4 desktops, each desktop having a distinct transparent background color or image and having distinct textual and image content. A desktop is a large div occupying (exactly or almost) the whole browser window. By default, desktop no. 1 should be shown to the user. If the user clicks somewhere on the desktop the desktop should be slided vertically to the bottom of the window and from the top of the window desktop no. 2 should slide vertically and occupy the whole browser window. Desktop sliding should be an animated transition and one desktop should not just instantly dissapear and the next desktop be displayed instead.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which displays a horizontally sliding desktop like the ones used on the Android or iOS. The web page should have 4 desktops, each desktop having a distinct transparent background color or image and having distinct textual and image content. A desktop is a large div occupying (exactly or almost) the whole browser window. By default, desktop no. 1 should be shown to the user. If the user clicks somewhere on the desktop the desktop should be slided horizontally to the right and from the left desktop no. 2 should slide horizontally and occupy the whole browser window. Desktop sliding should be an animated transition and one desktop should not just instantly dissapear and the next desktop be displayed instead.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which should implement tabbed-based navigation. The web page should contain on the top of the page minimum 5 tabs and each tab whould contain at least 2 images and 3 divs with text. When the user clicks on a tab from the top of the page, the contents of that tab will be displayed and the contents of all other tabs will be hidden. You are not allowed to use any independent CSS code (except CSS properties set through jquery method calls).

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which contains a button and if the user clicks that button, a dialog window (like the one from <http://jqueryui.com/dialog/>) will be displayed. That dialog window should display various information. The user should be able to resize the window and also he/she can close the window by clicking on the 'x' icon. The dialog window does not need to be movable in the browser window.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which contains a button and if the user clicks that button, a dialog window (like the one from <http://jqueryui.com/dialog/>) will be displayed. That dialog window should display various information. The user should be able to move the window around in the browser window and also he/she can close the window by clicking on the 'x' icon. The dialog window does not need to be

resizable.

Solve the following task using only the jQuery library (production version, jquery.min.js, or developement version, jquery.js); YOU ARE NOT ALLOWED TO USE ANY OTHER JS LIBRARY, PLUGIN OR EXTENSION BESIDES THE JQUERY LIBRARY. Write a web page which contains a table with 10 lines and 4 columns. The table should also have a column header and a column footer. When the user clicks on a cell from the header, the table content will be sorted in ascending order of the cells from the column that the user has clicked on. If the user clicks again on the header cell from that column, the table will be sorted again, but in descending order of the cells from that column. If the user clicks on a footer cell from column i, than the cells from column i will be interchanged with the cells from the column i+1 (if i+1=5, the first column is interchanged with column 4).