



MIS3690 WEB TECHNOLOGIES

BABSON COLLEGE
TOIM DIVISION



JQUERY EFFECTS



HIDE/SHOW EFFECTS

- `hide()` makes the selected item disappear
- `show()` unhides selected items if they were hidden
- `toggle()` hides selected items that are showing, and shows selected items that are hidden
- Examples: http://www.w3schools.com/jquery/jquery_hide_show.asp

FADE EFFECTS

- `fadeIn(speed)` shows a hidden item gradually
 - Speed can be "`slow`", "`fast`", or `#` of milliseconds
- `fadeOut(speed)` hides a showing item gradually
- `fadeToggle(speed)` acts like `fadeIn()` for those selected items that are hidden and like `fadeOut()` for those selected items that are showing
- `fadeTo(speed,opacity)` fades the selected items at the specified speed to the specified opacity
 - Opacity is between `0` (transparent) and `1` (opaque)
- Examples:
http://www.w3schools.com/jquery/jquery_fade.asp

SLIDE EFFECTS

- `slideDown(speed)` used to slide down an element that has `display:none` or has been slid up
- `slideUp(speed)` used to slide an element up to eventually hide it
- `slideToggle(speed)` slides up what has been slid down and vice versa
- Examples:
http://www.w3schools.com/jquery/jquery_slide.asp

ANIMATE EFFECTS

- `animate({parameters} ,speed)` is used to change an element from its current style to the style specified in the parameter list
 - Parameters are separated by commas
 - Parameters specified as style `name:'style value'`
 - Example: `width:'150px'`
 - Can precede the value by `+=` to indicate compared to now
 - Can precede the value by `-=` to indicate compared to now
- Examples:
http://www.w3schools.com/jquery/jquery_animate.asp

THE JQUERY ANIMATION QUEUE

- Animations commands on the same element are placed in a queue and follow one another rather than running simultaneously
 - This is true even when they are run from different functions
- Animation commands on different elements have their own queues
 - Each queue runs in sequence, but different queues runs simultaneously
- `clearqueue()` removes all remaining items from the selected queue.
- Example:
http://w3schools.com/jquery/eff_clearqueue.asp

STOP EFFECTS

- `stop(all,finish)` stops the current animation
 - `all`, if true, flushes the queue
 - `Finish`, if true, reaches the end of the current animation immediately.
 - Example: `animate({width: '500px'}, "slow")` when stopped, the element animated will immediately become 500px wide, without the animated growth in between.
 - Example: `stop(true,false)`
 - Default: `stop(false,false)`. If either argument is missing, it is assumed to be false.
 - Applies to all effects, not just animation
- Examples:
http://w3schools.com/jquery/jquery_stop.asp

CALL BACK

- Normally, queues are executed simultaneously, allowing effects to overlap
- Can add a "call back" function to the last parameter of any effect to run a different effect only when the first one is finished
- Examples:
http://w3schools.com/jquery/jquery_callback.asp

DELAY EFFECT

- `delay(speed, queue)` delays the queue for a short time (**fast**), longer time (**slow**), or a given **number** of milliseconds
- The queue parameter is optional and if omitted refers to the current queue
- Example:
http://w3schools.com/jquery/eff_delay.asp

CS2 I-INCLASS

- Add functions to implement the following effects
- When clicking the button "Show odd rows", only show the first and third row of the table, and move the text "This text will move" to above `h2` "This is another simple text".
- When clicking the button "Show even rows", only show the second and fourth row of the table, and move the text "This text will move" to its original place.
- When clicking the paragraph, add class "`blue`" to `h1`, `p` and `tr`, add class "`red`" to `h2`.
- When clicking the `h1`, add class "`red`" to `h1`, `p` and `tr` (you need to remove the previous class first), and remove class "`red`" to `h2`.