

```

var itemResult =
  doThingsWith(arrayItem,
  lastItemResult);
// results carried along from each
// to the next
nextCallback(null, itemResult);
})), function (err, finalResult) {
  // final callback
});

```

Acknowledgements

Hat tip to [Caolan McMahon](#) and [Paul Miller](#), whose prior contributions this is based upon. Also [Elan Shanker](#) from which this rep is forked

License

[MIT](#)

a-sync-waterfall

Simple, isolated sync/async waterfall module for JavaScript.

Runs an array of functions in series, each passing their results to the next in the array. However, if any of the functions pass an error to the callback, the next function is not executed and the main callback is immediately called with the error.

For browsers and node.js.

Installation

- Just include a-sync-waterfall before your scripts.
- `npm install a-sync-waterfall` if you're using node.js.

Usage

- `waterfall(tasks, optionalCallback, forceAsync);`
- `tasks` - An array of functions to run, each function is passed a `callback(err, result1, result2, ...)` it must call on completion. The first argument is an error (which can be null)

```

3

the array
// same execution for each item in
nextCallback) {
return function (lastItemResult,
] .concat(myArray.map(function
) [arrayItem)
initialValue);
firstMapFunction(null,
(firstMapFunction) {
waterfall([function initializer
and final callback */
/* with arguments, initializer function,
/* } });

nextCallback);
doAsyncThingSwitch(arrayItem,
call the next one when done
// same execution for each item,
returun function (nextCallback) {
waterfall(myArray.map(function
) [arrayItem)
basic - no arguments */
/* basic - no arguments */

Derive Tasks from an Arraymap
()};

// result now equals 'done',
function (err, result) {
}];

// arg1 now equals 'three'
callback(null, 'done');

function (arg1, callback) {
// arg1 now equals 'three'
function (err, result) {
}];

// result now equals 'done',
function (err, result) {
}];

// arg1 now equals 'three'
callback(null, 'done');
}

```

```
    } ,  
    callbacK(null, 'three');  
  function(arg1, arg2, callbacK) {  
    ,  
    callbacK(null, 'one', 'two');  
  function(callbacK) {  
    waterfall([  
      tasks as Array of Functions  
      window.waterfall(tasks, callbacK);  
      // Default:  
      waterfall(tasks, callbacK);  
      waterfall(tasks, callbacK);  
      var waterfall = require('a-sync-  
      var waterfall = require('a-sync-  
      waterfall(tasks, callbacK);  
      waterfall(tasks, callbacK);  
      Node.js:  
      asynchronous even if they are sync.  
      • forceAsynchronous An optional flag that force tasks run  
      last task's callback.  
      functions have completed. This will be passed the results of the  
      optionalCallback - An optional callback to run once all the  
      the next task.  
      and any further arguments will be passed as arguments in order to  
      the browser:
```