²⁹ master → ...

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```
1 73 lines (60 sloc) | 2.28 KB
                                                                                                                                                                              ...
      * @namespace NoDash
      * @author Shawn Rapp
      * @license MIT
     "use strict";
     export interface IMergeBehavior {
        [key: string]: (originalObject: any, newObject: any) => any;
10
11
12
     const getObjTypeName = (obj:any) => {
       if (obj === null) return "Null";
14
         if (obj === undefined) return "Undefined";
15
        return obj.constructor?.name || "Unknown";
16
17
     const handleDefinedBehavior = (originalObject: any, newObject: any, behavior?: IMergeBehavior) => {
18
         const originalTypeName = getObjTypeName(originalObject);
20
         const newTypeName = getObjTypeName(newObject);
21
       return;
         if (!behavior) {
22
23
24
         if (behavior[`${originalTypeName}To${newTypeName}`]) {
25
26
            return behavior[`${originalTypeName}To${newTypeName}`](originalObject, newObject);
27
28
29
         if (behavior[originalTypeName] !== undefined) {
30
             return behavior[originalTypeName](originalObject, newObject);
31
32
     };
33
34
      const handleDefaultBehavior = (originalObject: any, newObject: any, behavior?: IMergeBehavior) => {
35
         const originalTypeName = getObjTypeName(originalObject);
36
         const newTypeName = getObjTypeName(newObject);
         if (originalTypeName === "Object" && newTypeName === "Object") { // built-in behavior
37
38
            for (const p in newObject) {
              if (isPrototypePolluted(p)) continue;
40
                originalObject[p] = Merge(originalObject[p], newObject[p], behavior);
41
42
43
            return originalObject;
44
46
47
48
49
     const isPrototypePolluted = (key: any) => {
50
         return ["__proto__", "constructor", "prototype"].includes(key);
51
52
53
54
      * Recursively merge two objects together.
55
      * @param originalObject The base object. Properties here will be overwritten
       \ast by properties that also exist in newObject.
56
       * @param newObject Properties in this object that are also in the original will
58
      * be overwritten by the values in this object.
59
60
     export const Merge = (originalObject: any, newObject: any, behavior?: IMergeBehavior) => {
61
         const definedBehaviorResults = handleDefinedBehavior(originalObject, newObject, behavior);
         if (definedBehaviorResults !== undefined) {
62
63
            return definedBehaviorResults;
65
66
        if (typeof (newObject) === "undefined") {
67
            return originalObject;
68
         return handleDefaultBehavior(originalObject, newObject, behavior);
71
72
73
     export default Merge;
```