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1  //all of the user-defined Angular directives
2  angular.module('ClassMaticApp.directives', []).
3  directive('loginform', function() {
4      //directive to display the login form
5      //bound to the list of classes, terms, years
6      //also bound to the login model and function to handle authentication
7      return {
8          scope: false,
9          replace: true,
10         restrict: 'E',
11         template: '' +
12             '<form ng-submit="sendLogin()">' +
13                 '<table style="background-color: #66C166; color: white; padding:
14                 30px; padding-left: 100px; padding-right: 100px; border-radius:
15                 10px; border: 1px solid white" cellpadding="20" cellspacing="0"
16                 border="0" align="center">' +
17                     '<tr>' +
18                         '<td colspan="2">' +
19                             '<h2>ClassMatic Login</h2>' +
20                             '<span ng-if="error" style="color:
21                             #FFCCCC"><br>Incorrect login credentials, or you are not
22                             registered for courses</span>' +
23                             '<span ng-show="loading"></span>' +
25                         '</td>' +
26                     '</tr>' +
27                     '<tr>' +
28                         '<td>Banner ID:</td>' +
29                         '<td>' +
30                             '<input class="loginctrl" type="text"
31                             ng-model="login.sid">' +
32                         '</td>' +
33                     '</tr>' +
34                     '<tr>' +
35                         '<td>PIN:</td>' +
36                         '<td>' +
37                             '<input class="loginctrl" type="password"
38                             ng-model="login.pin">' +
39                         '</td>' +
40                     '</tr>' +
41                     '<tr>' +
42                         '<td>Term:</td>' +
43                         '<td>' +
44                             '<select ng-model="login.term" ng-options="term for term
45                             in terms" ng-init="buildTerms()" style="float: left;
46                             width: 45%"><option ng-if="false"></option></select>' +
47                             '<select ng-model="login.year" ng-options="year for year
48                             in years" ng-init="buildYears()" style="float: right;
49                             width: 45%"><option ng-if="false"></option></select>' +
50                         '</td>' +
51                     '</tr>' +
52                     '<tr>' +
53                         '<td colspan="2">' +
54                             '<input ng-show="false" class="button" type="submit"
55                             value="Submit">' +
56                         '</td>' +
57                     '</tr>' +

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45         '</table>' +
46         '</form>',
47         controller: function ($scope) {
48             }
49     };
50 }).
51 directive('viewer', function ($location) {
52     //directive for inline file previewing
53     //has the capability to preview images, video, audio, pdfs, and text-based
    documents
54     //uses the Google viewer for documents, browser functionality for all others
55     return {
56         restrict: 'E',
57         scope: false,
58         replace: true,
59         link: function (scope, element, attrs) {
60             //builds a link to the server where this HTML is currently being served
            from, in the same format expected for downloading files
61             var link = $location.protocol() + "://" + $location.host() + ':' +
            $location.port() + '/download?active=' + attrs.active + '&hash=' + attrs.
            hash;
62             //relies on the onerror events of individual embedded elements to remove
            itself from the DOM
63             //successful loading removes the other embedded elements from the DOM
64             element.html('<div style="background-color: #F8F8F8; border: 1px solid
            #D8D8D8; padding: 20px; text-align: center; border-radius: 20px"><div
            style="padding: 0px; line-height: 0px; display: none">' +
65             '<video controls preload = "auto" style="max-height: 500px; max-width:
            500px" src="' + link + '" onerror="if ($(this).siblings().length == 1) {
            $(this).parent().css(\'display\', \'\''); } $(this).remove();"
            oncanplay="if (this.duration > 0) { $(this).siblings().remove();
            $(this).parent().css(\'display\', \'\''); } else { if
            ($(this).siblings().length == 1) { $(this).parent().css(\'display\',
            \'\''); } $(this).remove(); }"></video>' +
66             '' +
67             '<iframe src="https://docs.google.com/gview?url=' + encodeURIComponent(
            link) + '&embedded=true" style="width:600px; height:500px;"
            frameborder="0" onload="if ($(this).siblings().length == 0) {
            $(this).parent().css(\'display\', \'\''); }"></iframe>' +
68             '</div></div>');
69         }
70     };
71 }).
72 directive('dragAndDrop', function($rootScope) {
73     //directive for dragging and dropping onto a container
74     return {
75         scope: false,
76         restrict: 'A',
77         link: function($scope, elem, attr) {
78             //bind to dragenter to apply green highlighting to folder titles
79             elem.bind('dragenter', function(e) {
80                 //don't let this event pass on to the default handlers
81                 e.stopPropagation();

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82         e.preventDefault();
83         if ($scope.path && !$scope.student) {
84             elem.filter('.titlebar').css('background-color', '#66C166');
85         }
86     });
87     //bind to dragleave to remove green highlighting on folder titles
88     elem.bind('dragleave', function(e) {
89         //don't let this event pass on to the default handlers
90         e.stopPropagation();
91         e.preventDefault();
92         if ($scope.path && !$scope.student) {
93             elem.filter('.titlebar').css('background-color', '#F1F1F1');
94         }
95     });
96     //bind to dragover to provide a secondary mechanism for applying green
97     //highlighting on folder titles
98     elem.bind('dragover', function(e) {
99         //don't let this event pass on to the default handlers
100        e.stopPropagation();
101        e.preventDefault();
102        if ($scope.path && !$scope.student) {
103            elem.filter('.titlebar').css('background-color', '#66C166');
104        }
105    });
106
107    //auxiliary function to dynamically create a move link and click it for
108    //when a drag-drop action occurs
109    var moveFile = function (elem, source) {
110        var hash = source.split("/")[source.split("/").length - 1];
111        var destination;
112        if ($scope.path && $scope.path !== "") {
113            if (!hash) {
114                destination = $scope.path + source.split("/")[source.split(
115                    "/").length - 2] + "/";
116            } else {
117                destination = $scope.path + hash;
118            }
119        } else {
120            if (!hash) {
121                destination = source.split("/")[source.split("/").length - 2]
122                + "/";
123            } else {
124                destination = hash;
125            }
126        }
127        if (destination.substring(0, source.length) !== source) {
128            var link = document.createElement('a');
129            link.href = "move?active=" + angular.element($(elem)).scope().
130            activeClass + "&source=" + source + "&destination=" + destination;
131            document.body.appendChild(link); //must be in DOM to work in
132            Firefox
133            link.target = "hidden-iframe";
134            link.click();
135            document.body.removeChild(link);
136        }
137    }
138 }

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133 //bind to the drop action
134 elem.bind('drop', function(e) {
135     //don't let this event pass on to the default handlers
136     e.stopPropagation();
137     e.preventDefault();
138     if ($scope.path) {
139         elem.filter('.titlebar').css('background-color', '#F1F1F1');
140     }
141     //check to make sure we're not in student mode
142     if (!$scope.student) {
143         var go = true;
144         //if there is text data associated with the drop event, then
145         //interpret as a move and return
146         if (e.originalEvent.dataTransfer.getData("text") && e.
147             originalEvent.dataTransfer.getData("text") !== undefined) {
148             moveFile(elem, e.originalEvent.dataTransfer.getData("text"));
149             return;
150         }
151         //if there are already files that have been dropped onto the
152         //interface, then alert the user they will be overwritten
153         if ($rootScope.fields.droppedFiles.length > 0) {
154             go = confirm("This will overwrite your previously dropped
155             files.");
156         }
157         //if the user accepted the overwrite or there was no conflict,
158         //parse the files and reflect it in the interface
159         if (go) {
160             $rootScope.$apply(function () {
161                 //clear the old files that had been dropped
162                 $rootScope.fields.droppedFiles = [];
163                 var dropped = e.originalEvent.dataTransfer.files; //no
164                 //originalEvent if jQuery script is included after angular
165                 for (var i in dropped) {
166                     //if the file has a type or a size that isn't a
167                     //multiple of 4096 or is larger than 4096*3, then it
168                     //is a file and not a folder
169                     //we don't want to handle folders as that
170                     //functionality is not available in any browsers
171                     //outside of Chrome
172                     if (dropped[i].type || (dropped[i].size && (dropped[i].size % 4096 !== 0 || dropped[i].size / 4096 > 3))) {
173                         $rootScope.fields.droppedFiles.push(dropped[i]);
174                     }
175                 }
176                 if ($rootScope.fields.droppedFiles.length > 0) {
177                     //if we're not in the upload pane already then open
178                     //it and overwrite the folder
179                     if ($rootScope.fields.upload === false) {
180                         $rootScope.fields.upload = true;
181                         if ($scope.path && $scope.path !== "") {
182                             $rootScope.fields.folderName = $scope.path.
183                             substring(0, $scope.path.length - 1);
184                         } else {
185                             $rootScope.fields.folderName = "/";
186                         }
187                     } else {
188                         //if the upload pane is already open and we

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drag-dropped onto no path, keep what was
there... but if we dropped on a custom folder,
take that instead
177     if ($scope.path && $scope.path !== "") {
178         $rootScope.fields.folderName = $scope.path.
            substring(0, $scope.path.length - 1);
179     }
180 }
181 }
182 });
183 }
184 }
185 });
186 }
187 };
188 }).
189 directive('uploadForm', function($rootScope) {
190     //directive that controls the upload form
191     return {
192         scope: false,
193         restrict: 'A',
194         template: '' +
195             '<table ng-style="{backgroundColor : (fields.loading && \'#FF9999\') ||
196             \'transparent\'}" style="width: 330px; padding: 15px; border: 1px solid
197             #909090" cellpadding="10" cellspacing="0" border="0" align="center">' +
198             '<tr>' +
199                 '<td valign="top">Folder:</td>' +
200                 '<td>' +
201                     '<span ng-bind="fields.folderName | humanreadable"></span>' +
202                     '<input type="text" ng-show="false" id="folder"
203                     ng-model="fields.folderName" name="folder">' +
204                 '</td>' +
205             '</tr>' +
206             '<tr>' +
207                 '<td valign="top">File(s):</td>' +
208                 '<td>' +
209                     //ng-show="!(fields.droppedFiles.length > 0) || this.value !==
210                     '\\"
211                     '<input style="width: 100%" id="file"
212                     ng-disabled="fields.loading" type="file"
213                     name="{{activeClass}}"
214                     ng-required="!(fields.droppedFiles.length > 0)"
215                     multiple="multiple">' +
216                     '<p><span ng-if="fields.droppedFiles.length > 0"
217                     style="color: red"><b></b></span></p>' +
218                     '<div style="width: 100%"
219                     ng-show="fields.droppedFiles.length"><span style="color:
220                     red"><b>{{fields.droppedFiles.length}} file(s)
221                     drag/dropped</b> </span></div>' +
224                 '</td>' +
225             '</tr>' +
226             '<tr>' +
227                 '<td valign="top" align="left" colspan="2">' +
228                 '<label><input ng-model="futureReveal"
229                 ng-disabled="fields.loading" type="checkbox"> Future

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Reveal</label><br />' +
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215     '<p>' +
216         '<div ng-show="futureReveal"><span style="padding-right:
10px">Date: </span><input style="width: 170px"
ng-required="futureReveal" ng-model="revealTime"
id="datetimepicker" type="text"
name="reveal"></input><script
type="text/javascript">$("#datetimepicker").AnyTime_picker
({ ' +
217             'format: \'%m/%e/%Y %h:%i:%s %p\',' +
218             'earliest: new Date(), ' +
219             '});</script></div>' +
220         '</p>' +
221         '</td>' +
222     '</tr>' +
223     '<tr>' +
224         '<td colspan="2" align="center" style="padding-top: 20px">' +
225         '<input style="width: 60%; height: 40px" type="submit"
ng-disabled="fields.loading" value="Submit"></input>' +
226         '</td>' +
227         '</tr>' +
228     '</table>',
229     link: function($scope, elem, attr) {
230         //when the form is submitted, take over that event
231         elem.bind('submit', function(e) {
232             //$scope.$apply(function () {
233                 e.preventDefault();
234                 $scope.$apply(function () {
235                     if ($scope.futureReveal) {
236                         $scope.revealTime = new Date($scope.revealTime).getTime();
237                     } else {
238                         $scope.revealTime = "";
239                     }
240                 });
241                 oData = new FormData(this);
242                 $scope.$apply(function () {
243                     $scope.futureReveal = false;
244                 });
245                 $rootScope.$apply(function () {
246                     $rootScope.fields.loading = true; //must be applied after the
form data is grabbed since disabling the file input keeps it
from actually uploading
247                 });
248                 for (var i = 0; i < $rootScope.fields.droppedFiles.length; i++)
249                 {
250                     //loop through all of the dropped files and append them to the
formdata
251                     oData.append($scope.activeClass, $rootScope.fields.droppedFiles[i
1]);
252                 }
253                 $rootScope.$apply(function () {
254                     //clear out the dropped files before uploading this batch so if
the user drops more on, those can be queued up for the next
round after this is finished
255                     $rootScope.fields.droppedFiles = [];
256                 });
257                 //we're sending the data to the server using XMLHttpRequest

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258         //uploading to the /upload endpoint
259         var oReq = new XMLHttpRequest();
260         oReq.open("post", "upload", true);
261         oReq.onload = function(oEvent) {
262             if (oReq.status == 200) {
263                 //$(elem).children('table').css('background-color',
264                 'transparent');
265                 $rootScope.$apply(function () {
266                     $rootScope.fields.loading = false;
267                 });
268                 try {
269                     if ($rootScope.fields.droppedFiles.length == 0) {
270                         $rootScope.$apply(function () {
271                             $rootScope.fields.upload = false;
272                         });
273                     }
274                     document.getElementById('file').value = '';
275                     $scope.revealTime = "";
276                 } catch (e) {}
277             } else {
278                 alert("There was an error uploading your file");
279             }
280         };
281         //send the data
282         oReq.send(oData);
283     });
284 }
285 };
286 }).
287 directive('folder', function(RecursionHelper) {
288     //directive that renders folders which may recursively contain other files and
289     folders
290     return {
291         scope: false,
292         restrict: 'E',
293         template: '' +
294             '<ul drag-and-drop class="example-animate-container"
295             ng-style="{borderLeft : ((object.files || object.folders) && path &&
296             \'1px solid #909090\') || \'\'}">\' +
297             '<li draggable="true" ondragstart="(function(event){
298             event.dataTransfer.setData(\'text\',
299             angular.element($(event.target)).scope().path +
300             angular.element($(event.target)).scope().file.hash); })(event);"
301             class="animate-repeat" style="position: relative; border-bottom: 1px
302             solid #909090; text-align: right" ng-repeat="file in object.files |
303             filter: {name: searchterm} | orderBy: \'-date\' track by file.hash"
304             ng-if="!student || currentDate >= file.reveal">\' +
305             '<a draggable="false" style="float: left"
306             ng-href="download?active={{activeClass}}&hash={{path +
307             file.hash}}" ng-bind="file.name"></a><div style="display:
308             inline-block; padding-left: 20px"><div style="display:
309             inline-block; padding-right: 20px"><a draggable="false" href="#"
310             ng-click="preview = !preview">{{preview ? "close" :
311             "preview"}}</a></div><div ng-if="!student" style="display:
312             inline-block; padding-right: 20px"><a draggable="false"
313             ng-href="delete?active={{activeClass}}&hash={{path +

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file.hash}}" target="hidden-iframe">delete</a></div><div
ng-if="currentDate >= file.reveal" style="display: inline-block;
width: 65px">{{file.date | date:"M/dd/yy"}}</div><div
ng-if="currentDate < file.reveal" style="display: inline-block;
width: 65px; color: red">{{file.reveal |
date:"M/dd/yy"}}</div><div ng-if="currentDate >= file.reveal"
style="display: inline-block; width: 80px">{{file.date |
date:"h:mm"}}</div><div ng-if="currentDate < file.reveal"
style="display: inline-block; width: 80px; color:
red">{{file.reveal | date:"h:mm"}}</div></div><br />' +
296 ' <div ng-if="preview" style="padding-bottom: 10px"><viewer
hash="{{path + file.hash}}"
active="{{activeClass}}"></viewer></div>' +
297 '</li>' +
298 //ng-if="folder.files || folder.folders"> will hide empty folders by
default
299 '<li ng-class="divClass" class="animate-repeat noselect"
style="padding-left: 20px" ng-repeat="(name, folder) in
object.folders | folderfilter:searchterm"' +
300 ' <div class="noselect">' +
301 ' <p></p>' +
302 ' <div drag-and-drop draggable="true"
ondragstart="(function(event){
event.dataTransfer.setData(\'text\',
angular.element($(event.target)).scope().path); })(event);"
class="titlebar" ng-style="{minWidth : (280 + (14 *
path.split(\'/\')[path.split(\'/\').length - 2].length)) +
\'px\'}" style="background-color: #F1F1F1; border: solid 1px
#909090; border-radius: 10px" ng-click="foldershow =
!foldershow"> <span style="vertical-align: top;
position: relative; top: 7px; left:
5px">{{name}}</span><span style="float: right"><button-group
style="position: relative; bottom: 3px; right:
10px"></button-group></span></div></div>' +
303 ' <folder ng-show="!foldershow || searchterm" data="folder"
path="name"></folder>' +
304 ' </div>' +
305 ' </li>' +
306 ' </ul>',
307 compile: function(element) {
308 //pull in the RecursionHelper service to handle rendering recursive
content
309 return RecursionHelper.compile(element, function(scope, iElement, iAttrs,
controller, transcludeFn){
310 scope.$watch(iAttrs.data, function (value){
311 if (value) {
312 //watches the attributes on this directive specified by the
HTML, and whether those objects are changing and reapplies
it here
313 scope.object = value;
314 }
315 });

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316         scope.$watch(iAttrs.path, function (value){
317             //recursively at each level down inherits the path from the
             previous scope and redefines it again at this scope with the new
             value appended
318             if (value && scope.path !== undefined) {
319                 scope.path += value + "/";
320             } else {
321                 scope.path = "";
322             }
323         });
324     });
325 }
326 };
327 }).directive('buttonGroup', function($rootScope) {
328     //directive to specify a common group of buttons for administrative purposes
329     return {
330         scope: false,
331         restrict: 'E',
332         template: '' +
333             '<span ng-if="!student"><a draggable="false" class="button" href=""
             ng-click="uploadFolder($event)">Upload</a> <a draggable="false"
             class="button" target="hidden-iframe"
             ng-href="newfolder?active={{activeClass}}&path={{path + newname}}">
             ng-click="newFolder($event)"></a> <a
             draggable="false" ng-if="path" class="button" target="hidden-iframe"
             ng-href="deletefolder?active={{activeClass}}&path={{deletepath}}">
             ng-click="deleteFolder($event)"></a></span>',
334         controller: function ($scope, $rootScope) {
335             //function to handle uploading to a folder; pops open the upload form in
             this context
336             $scope.uploadFolder = function (e) {
337                 e.stopPropagation();
338                 $rootScope.fields.upload = true;
339                 if ($scope.path && $scope.path !== "") {
340                     $rootScope.fields.folderName = $scope.path.substring(0, $scope.
                     path.length - 1);
341                 } else {
342                     $rootScope.fields.folderName = "/";
343                 }
344             }
345             //function to handle creating a new folder in the interface
346             $scope.newFolder = function (e) {
347                 e.stopPropagation();
348                 $scope.newname = prompt("Please enter a name for your new folder: ");
349                 if ($scope.newname) {
350                     //strips non alphanumeric characters from new folder names
351                     $scope.newname = $scope.newname.replace(/([^\a-z 0-9]+)/gi, '');
352                     $rootScope.fields.upload = true;
353                     $rootScope.fields.folderName = $scope.path + $scope.newname;
354                 } else {
355                     e.preventDefault();
356                 }
357             }
358             //function to handle deleting a folder

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359     $scope.deleteFolder = function (e) {  
360         e.stopPropagation();  
361         //confirms with the user before actually deleting  
362         if (!confirm("This will delete the folder and all of its contents,  
and cannot be undone. Are you sure?")) {  
363             //if the user doesn't want to commit to deleting the folder, the  
link is prevented from loading  
364             e.preventDefault();  
365         } else {  
366             if ($scope.path && $scope.path !== "") {  
367                 //constructs a deletepath for the dynamic destination of the  
ahref url to load into the hidden iframe to actually perform  
the deletion  
368                 $scope.deletepath = $scope.path.substring(0, $scope.path.  
length - 1);  
369             } else {  
370                 $scope.deletepath = "/";  
371             }  
372         }  
373     }  
374 }  
375 };  
376 });
```