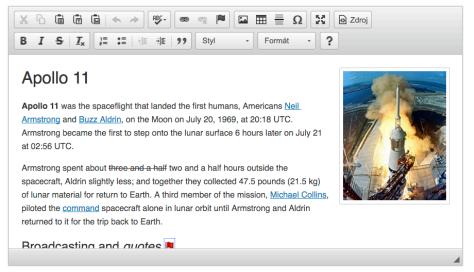


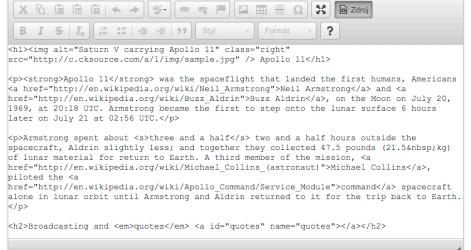
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About CKEditor

- WYSIWYG web editor
- JavaScript core
- Supports all modern browsers since IE8
- GPL, LGPL, MPL licenses







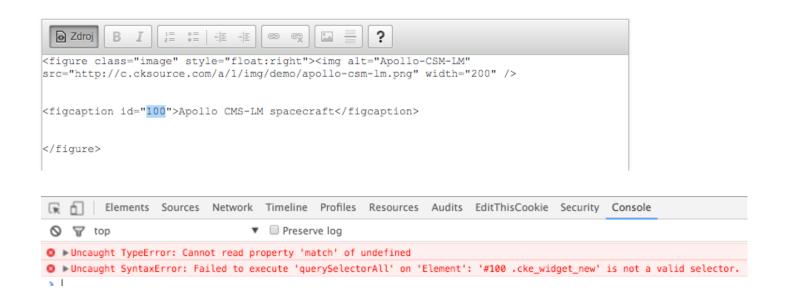
Developers & Community

- Developers center
 - http://dev.ckeditor.com
 - developers documentation
 - open tickets (bugs, improvements...)
- Pull requests
 - https://github.com/ckeditor/ckeditor-dev



My contribution

- Ticket #14451
 - Widget crashes if editable region has a numeric ID





Solution

Escaping function created

```
1358
       1359
                       * Returns escaped CSS selector. CSS.escape() is used if defined, leading digit is escaped otherwise.
       1360
                       * @since 4.5.8
                       * @param {String} selector Selector to escape.
                        * @returns {String} Escaped selector.
                      escapeCss: function( selector ) {
                          // Invalid input.
                          if ( typeof selector === 'undefined' || selector === null || selector.length === 0 ) {
       1368
       1369
       1370
                          // CSS.escape() can be used.
                          if ( typeof CSS !== 'undefined' && typeof CSS.escape !== 'undefined' ) {
                              return CSS.escape( selector );
       1374
                          }
                          // Simple leading digit escape.
                          if (!isNaN( parseInt( selector.charAt( 0 ), 10 ) ) {
       1378
                              return '\\3' + selector.charAt(0) + '' + selector.substring(1, selector.length);
       1379
       1381
                           return selector;
1356
       1382
```



Solution

... and used when necessary

```
function getContextualizedSelector( element, selector ) {
    return '#' + element.$.id + ' ' + selector.split( /,\s*/ ).join( ', #' + element.$.id + ' ' );
    return '#' + CKEDITOR.tools.escapeCss( element.$.id ) + ' ' + selector.split( /,\s*/ ).join( ', #' + CKEDITOR.tools.escapeCss( element.$.id ) }
}
```

- Tests took more effort than solution itself
 - 3 unit tests
 - 1 contextual test
 - total 93 lines



Result

- Solution accepted but slightly refactored
 - pull request with discussion
 - ticket with final solution
 - new branch to merge
- Still awating to merge into master branch
 - 2 versions skipped already



Conclusion

- Fast and productive communication with community
- Good advices from project members
- In the end little "fight" about how the code will look like ☺
 - communication



Thank you!