CKEditor

프로젝트명 : B19WysiwygEditor

준비사항

- 기존 프로젝트를 그대로 사용한다.
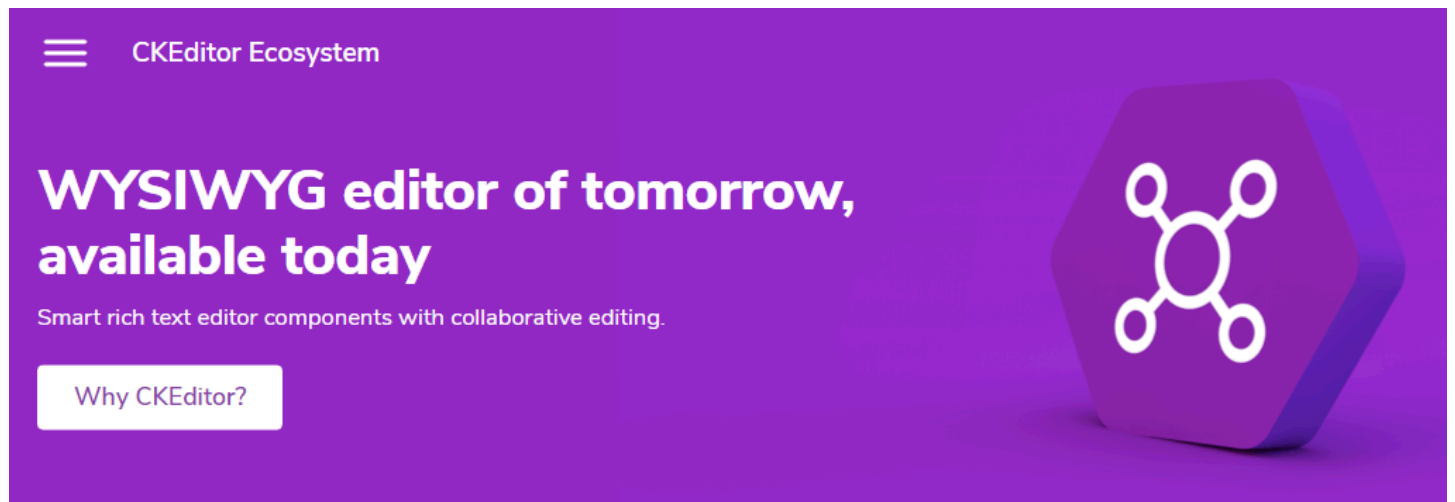
▶공식사이트

▶요청명 : home.jsp

```
42    <li>
43        <a href="CKEditor.do" target="_blank">
44            CK에디터
45        </a>
46    </li>
```

▶컨트롤러 : MainController.java

```
44    //CK Editor
45    @GetMapping("/CKEditor.do")
46    public String CKEditor() {
47        return "CKEditor";
48    }
49    @PostMapping("/CKEditor.do")
50    public String CKEditor(HttpServletRequest req, Model model) {
51        String subject = req.getParameter("subject");
52        String contents = req.getParameter("contents");
53
54        System.out.println("subject="+ subject);
55        System.out.println("contents="+ contents);
56
```

```
57      if(contents==null || contents.equals("")) {
58          System.out.println("내용을 입력해주세요");
59          model.addAttribute("submit", "내용 검증 에러");
60      }
61      else {
62          model.addAttribute("submit", "폼값 전송됨");
63      }
64      return "CKEditor";
65    }
66
```

▶ 뷰 : CKEditor.jsp

<body> 부분은 아래 내용을 복사해서 사용한다.

```html
<body>
    <h2>CK에디터</h2>
    <form method="post" onsubmit="return validateForm(this);">
    <span style="color:red;">${submit }</span>
    <table border="1" style="width:700px;">
    <colgroup>
        <col width="100px" />
        <col width="*" />
    </colgroup>
        <tr>
            <td>제목</td>
            <td><input type="text" name="subject" style="width:400px;"/></td>
        </tr>
        <tr>
            <td>내용</td>
            <td>
                <textarea name="contents" id="contents" rows="10"
cols="70"></textarea>
            </td>
        </tr>
        <tr>
            <td colspan="2">
                <input type="submit" value="전송하기" />
            </td>
        </tr>
    </table>
    </form>
</body>
```

공식문서를 참조하여 작성한다.

https://ckeditor.com/docs/ckeditor5/latest/installation/getting-started/quick-start.html

Installing CKEditor 5 from CDN

CDN is an alternative method of running CKEditor 5. You can start using it in just a few steps and with a few tags.

Start by attaching a link to style sheets. They contain all styles for the editor's UI and content. You can also include your styles if you like. Refer to the content styles guide for more information.

```html
<link rel="stylesheet" href="https://cdn.ckeditor.com/ckeditor5/43.1.0/ckeditor5.css" />
```

```html
<script type="importmap">
    {
        "imports": {
            "ckeditor5": "https://cdn.ckeditor.com/ckeditor5/43.1.0/ckeditor5.js",
            "ckeditor5/": "https://cdn.ckeditor.com/ckeditor5/43.1.0/"
        }
    }
</script>
```

```html
<script type="module">
    import {
        ClassicEditor,
        Essentials,
        Bold,
        Italic,
        Font,
        Paragraph
    } from 'ckeditor5';

    ClassicEditor
        .create( document.querySelector( '#editor' ), {
            plugins: [ Essentials, Bold, Italic, Font, Paragraph ],
            toolbar: {
                items: [
                    'undo', 'redo', '|', 'bold', 'italic', '|',
                    'fontSize', 'fontFamily', 'fontColor', 'fontBackgroundColor'
                ]
            }
        } )
        .then( /* ... */ )
        .catch( /* ... */ );
</script>
```

<head> 부분

```
 6 <meta charset="UTF-8">
 7 <title>Insert title here</title>
 8 <link rel="stylesheet" href="https://cdn.ckeditor.com/ckeditor5/
 9 <style>
10 .ck-editor__editable { height: 200px; }
11 .ck-editor__editable p { margin: 0px; }
12 .ck-content { font-size: 13px; }
13 .contentsArea p {margin:0}
14 </style>
15 <script>
16 function validateForm(f){
17     if(f.subject.value==''){
18         alert('제목을 입력하세요');
19         f.subject.focus();
20         return false;
21     }
22     /* 동작하지 않음.
23     if(f.contents.value==''){
24         alert('내용을 입력하세요');
25         f.contents.focus();
26         return false;
27     }
28     */
29 }
30 </script>
31 </head>
```

</body> 아래 부분

```
58 </body>
59 <script type="importmap">
60     {
61         "imports": {
62             "ckeditor5": "https://cdn.ckeditor.com/ckeditor5/43.0.
63             "ckeditor5/": "https://cdn.ckeditor.com/ckeditor5/43.0
64         }
65     }
66 </script>
67 <script type="module">
68     import {
69         ClassicEditor,
70         Essentials,
71         Bold,
72         Italic,
73         Font,
74         Paragraph
75     } from 'ckeditor5';
```

document.querySelector('#editer') ⇒ #contents 로 수정해야 에디터가 연결됨

```
77      ClassicEditor
78        .create( document.querySelector( '#contents' ), {
79            plugins: [ Essentials, Bold, Italic, Font, Paragraph ]
80            toolbar: {
81                items: [
82                    'undo', 'redo', '|', 'bold', 'italic', '|',
83                    'fontSize', 'fontFamily', 'fontColor', 'fontBa
84                    '|', 'link', 'uploadImage', 'blockQuote', 'cod
85                ]
86            }
87        })
88        .then((r)=>{
89            console.log('r', r);
90        })
91        .catch((e)=>{
92            console.log('e', e);
93        });
94 </script>
95 </html>
```

실행한 후 폼값을 전송해보면 아래와 같이 출력된다.

Markers   Properties   Data Source Explorer   Snippets   Terminal   Console ⚌

Tomcat v9.0 Server at localhost [Apache Tomcat] C:₩01DevelopKits₩jdk-11₩bin₩javaw.exe (2022. 7. 23. 오후 9:42:44)

title=CK에디터 제목입니다.
contents=<p>CK에디터 내용입니다.</p>