

Curriculum Requirements of The Project

Compulsory Requirements

1. Use Java SE
2. Client with GUI and Server
3. Real time interaction using network
4. Multi-thread
5. File I/O

Alternatives

1. GUI with MenuBar, ToolBar, StatusBar
 2. Picture drawing
 3. DataBase
 4. Video and Audio effect
 5. Export data as Excel or PDF File
 6. Others permitted
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My Project

A Brief Introduction - Miki Cloud Note

A desktop cloud note application

Dependents

1. wangEditor
2. javafx
3. JGit
4. jsoup
5. wkhtmltopdf
6. wkhtmltopdf java wrapper

Function Features

1. Integrated with rich text editor, which is open source and web based
2. Cloud sync with server using git
3. Version control using git
4. PDF conversion

Developing Schedule

- ☒ A javaFx Webview Integrated with web rich text editor
- ☒ Single note process. new, save, open, export
- ☒ Deal with multiple notes
- ☒ One display mainView and multiple editor windows

- ☒ convert note to pdf file and export it
- ☐ Communicate with the server using git
- ☐ Record the opened notes with URL

Code Log

- ☒ right after load, `getEngine.getDocument() == null`

```
final WebView webView = new WebView();
final WebEngine webEngine = webView.getEngine();
webEngine.getLoadWorker().stateProperty().addListener((observable, oldState, newState) -> {
    if (newState == State.SUCCEEDED) {
        Document doc = webEngine.getDocument();
    }
});
webEngine.loadContent("<h1>hello</h1>");
//webEngine.load("http://google.ch"); // This works too
```

- ☒ save html as string using `jsoupDoc.outerHtml` not `w3cDom.asString`
- ☒ rewrite content operation code -> editor operator class -> utility method which returns html string
- ☒ how to disable editor in read-only mode
- ☒ how to remove toolbar in read-only mode and pdf
- ☒ `Jsoup.pase(URL url, int timeout)` do not support files (java.net.MalformedURLException: Only http & https protocols supported)
- ☒ when display note, when url is null, display nothing
- ☒ `webEngine.loadContent` need to handle relative path manually
- ☒ when closing the editor window and canceling export new note, url is still null
- ☒ Auto refresh displaying after closing a editor window
- ☒ repetition of the js scripts makes multiple toolbars

☐ Webview Font. Problem of Chinese characters. Bold and italic failure.