Content Management Blog

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Introduction

Technology used: Intellij , VSC , NetBeans,Mysql, ClearDB, Spring Framework, Github repo, Heroku

User requirements: - Clients wants to display their blog posts to everyone who comes to their site.

- Clients wants to create and insert tags related to their blogs

- Clients wants to editors to manage their blogs.

- Clients wants to write posts in an editor like Word.

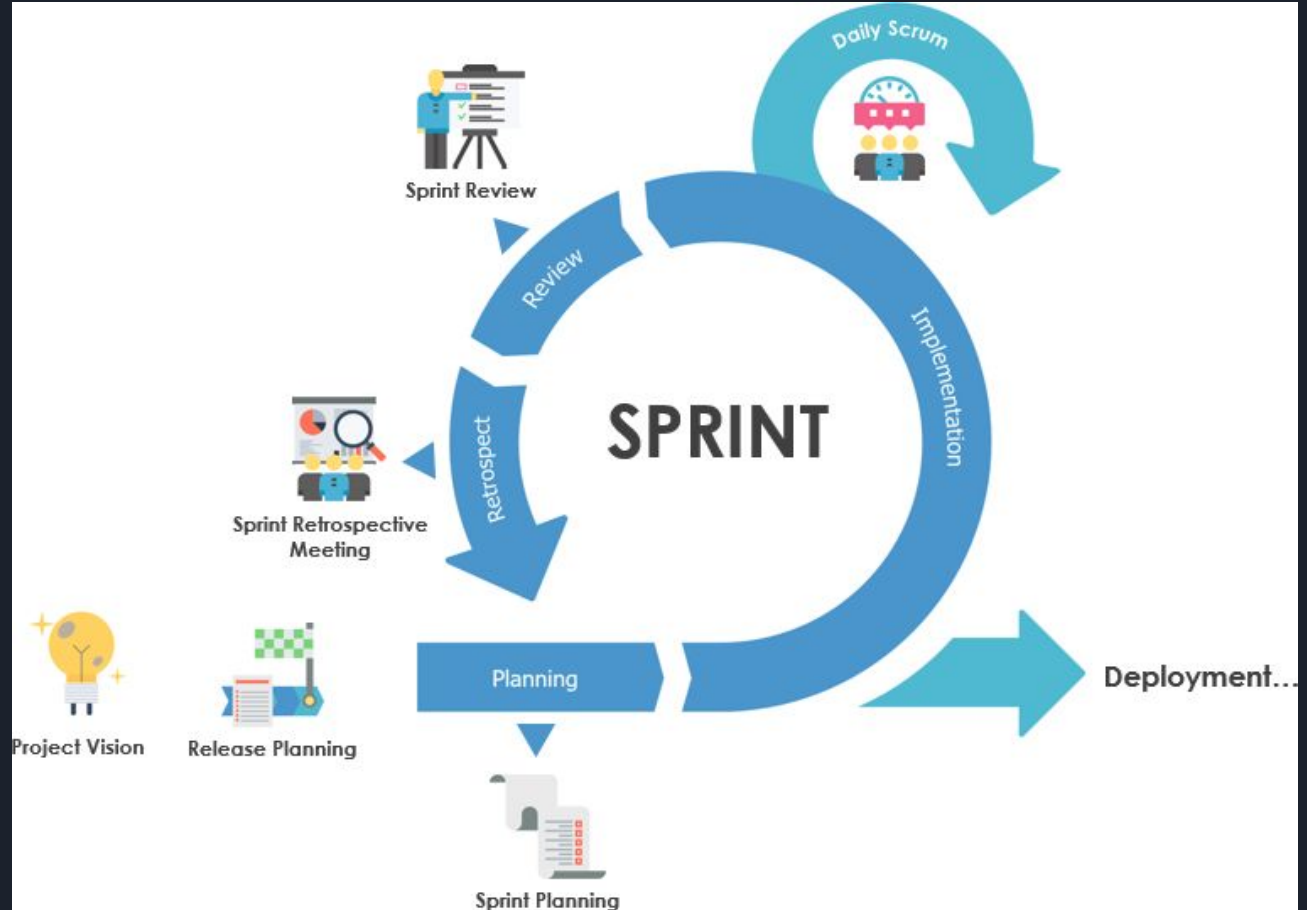- Clients wants exclusive rights to approve edited blogs.

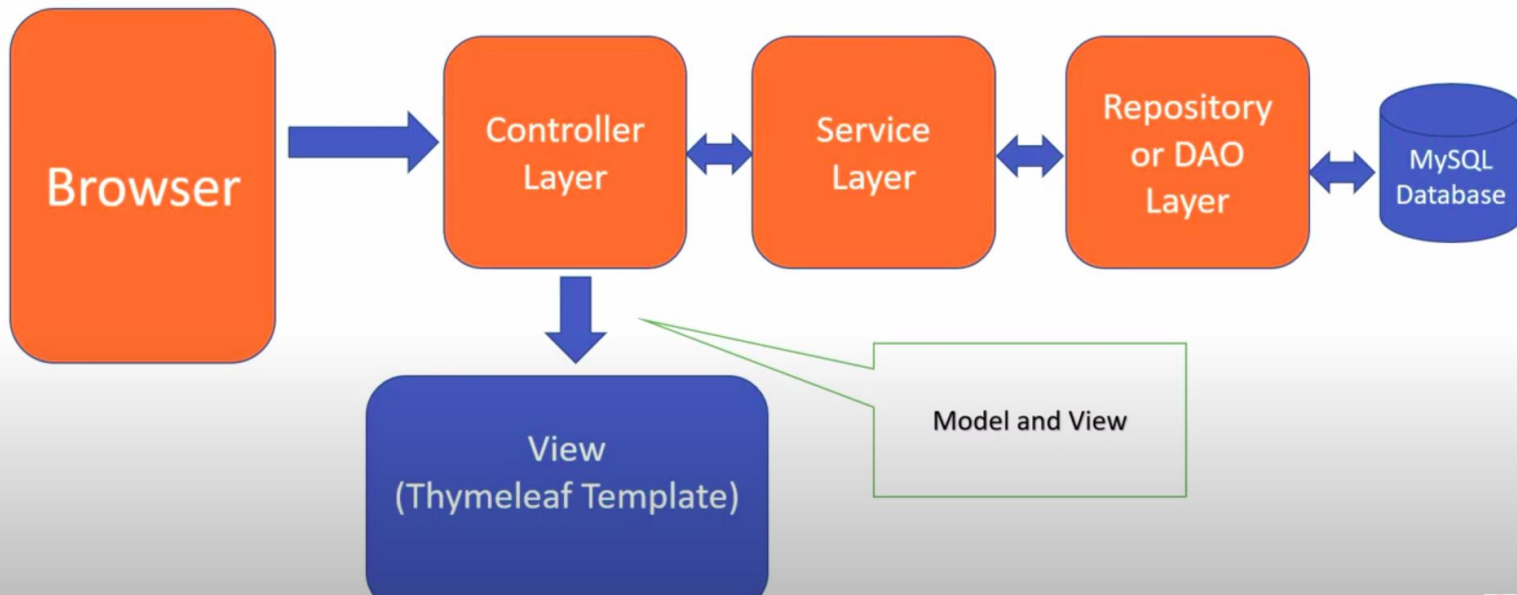Specifications: Full-Stack REST Application

Table of Content

- SDLC
- Spring Framework MVC
- Security Layer
- UML/Flowchart
- Database
- Testing
- Deployment
- What we've learned and Problems encountered
- Potential improvements

SDLC

MVC

Spring framework

Talk about DI ,thymeleaf, etc

MVC

```
v src
  v main
    v java
      v com.wiley.contentmanagement
        > config
        > controller
        > dao
        > model
        > service
          ContentmanagementApplication
    v resources
      > templates
      application.properties
```

```
v controller
    ArticleController
    contentController
    loginController
    tagController
v dao
    ArticleDao
    ArticleDaoDB
    ArticleTagDao
    ArticleTagDaoDB
    TagDao
    TagDaoDB
    UserDao
    UserDaoDB
v model
    Article
    ArticleTag
    Tag
    User
v service
    ArticleService
    ArticleServiceImpl
    ArticleTagService
    ArticleTagServiceImpl
    TagService
    TagServiceImpl
    UserService
    UserServiceImpl
  ContentmanagementApplication
```
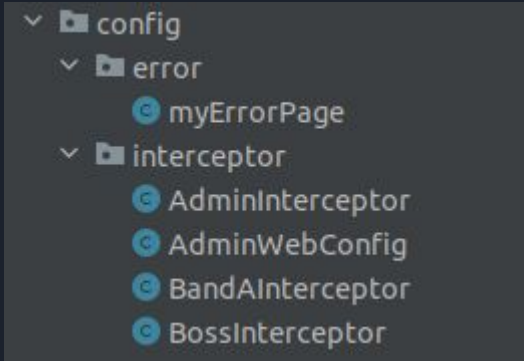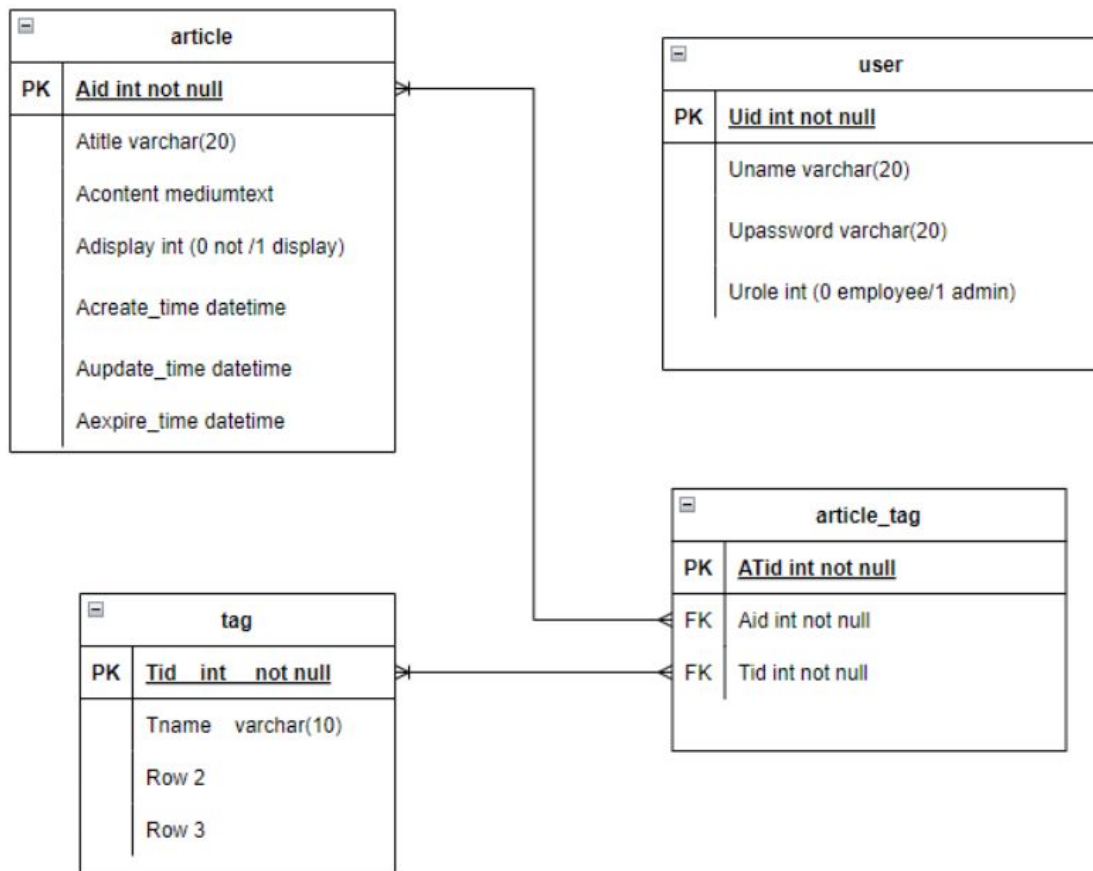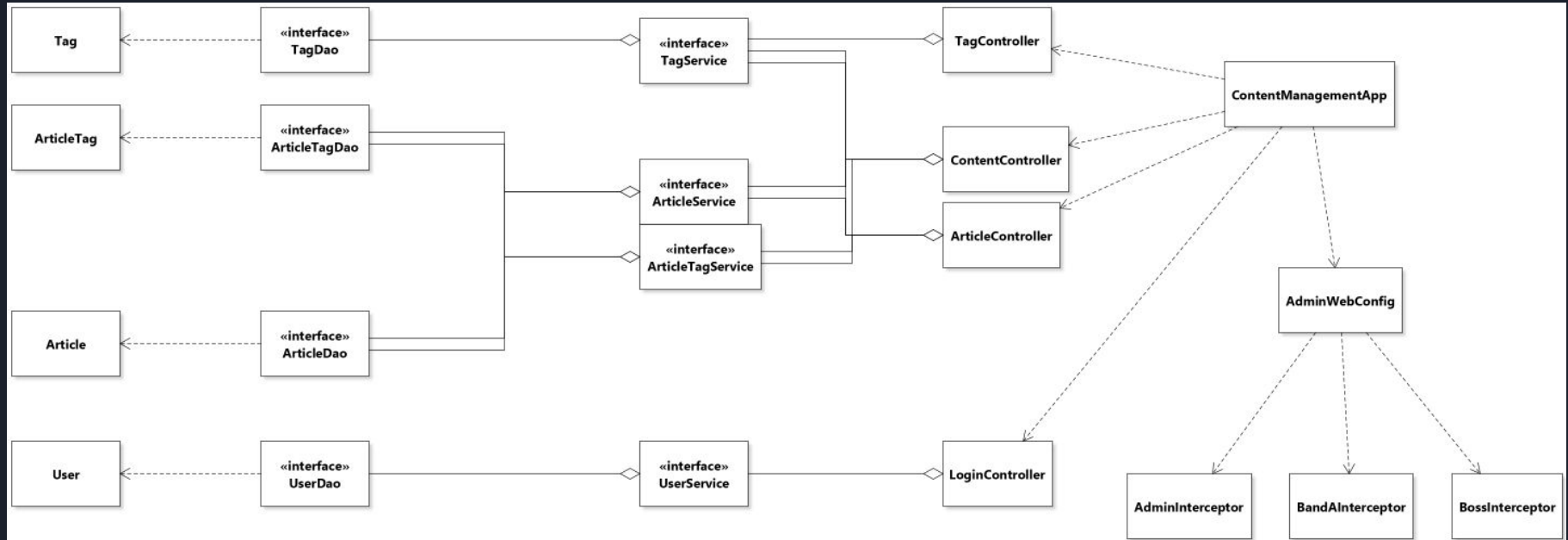
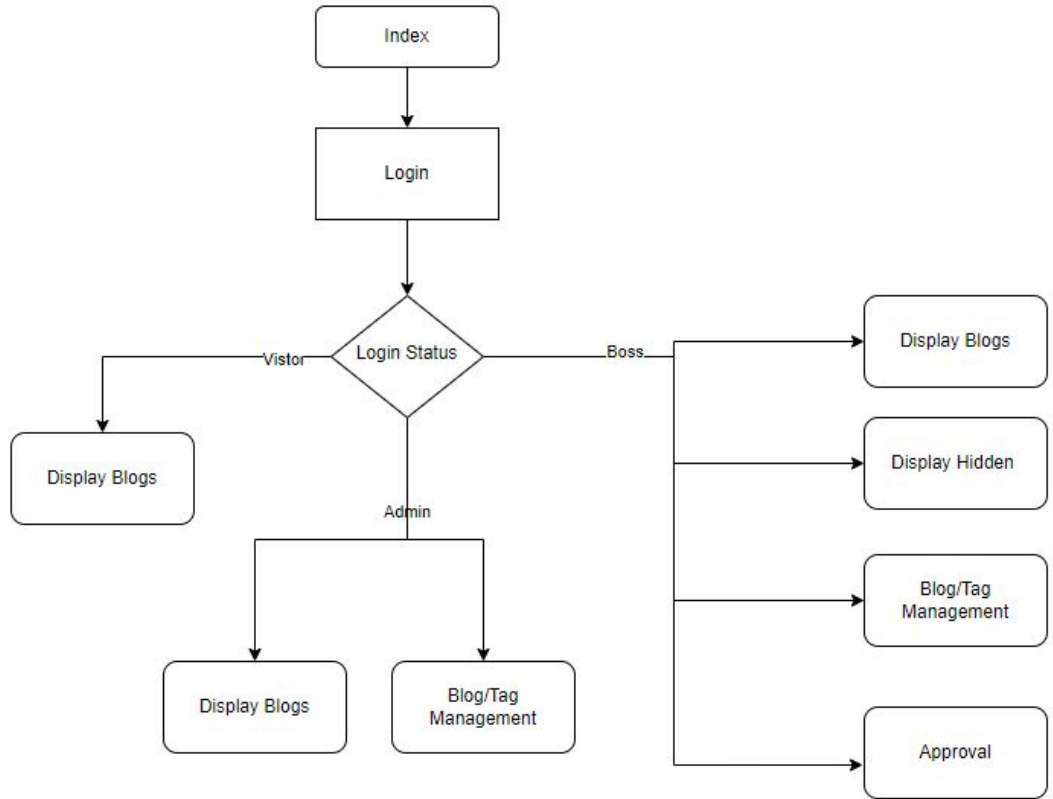# Security

config
error
myErrorPage
interceptor
AdminInterceptor
AdminWebConfig
BandAInterceptor
BossInterceptor

Different users

Class Diagram

article

PK	Aid int not null
	Atitle varchar(20)
	Acontent mediumtext
	Adisplay int (0 not /1 display)
	Acreate_time datetime
	Aupdate_time datetime
	Aexpire_time datetime

user

PK	Uid int not null
	Uname varchar(20)
	Upassword varchar(20)
	Urole int (0 employee/1 admin)

tag

PK	Tid int not null
	Tname varchar(10)
	Row 2
	Row 3

article_tag

PK	ATid int not null
FK	Aid int not null
FK	Tid int not null

Flowchart

User Diagram

Local Database

Cloud Database

```
Running printenv on ● contentblog240... up, run.8117 (Free)
JAVA_HOME=/app/.jdk
JDBC_DATABASE_URL=jdbc:mysql://us-cdbr-east-06.cleardb.net/heroku_b4cb764f7ec7aa3?password=██████████████
JAVA_OPTS=-Xmx300m -Xss512k -XX:CICompilerCount=2 -Dfile.encoding=UTF-8
PWD=/app
PORT=22277
LINES=45
HOME=/app
SPRING_DATASOURCE_USERNAME=████████████
COLUMNS=169
SPRING_DATASOURCE_URL=jdbc:mysql://us-cdbr-east-06.cleardb.net/heroku_b4cb764f7ec7aa3?password=██████████████
CLEARDB_DATABASE_URL=mysql://b543c41c690d1e:29a982ee@us-cdbr-east-06.cleardb.net/heroku_b4cb764f7ec7aa3?reconnect=true
TERM=xterm-256color
JDBC_DATABASE_PASSWORD=██████████████
JDBC_DATABASE_USERNAME=████████████
SHLVL=0
LD_LIBRARY_PATH=/app/.jdk/jre/lib/amd64/server:
PS1=\[\033[01;34m\]\w\[\033[00m\] \[\033[01;32m\]$ \[\033[00m\]
SPRING_DATASOURCE_PASSWORD=29a982ee
PATH=/app/.heroku/bin:/app/.jdk/bin:/usr/local/bin:/usr/bin:/bin
DYNO=run.8117
_=/usr/bin/printenv
nakamoto@satoshi:~$ mysql -u ████████████ -p███████ -h us-cdbr-east-06.cleardb.net
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 141173965
Server version: 5.6.50-log MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use heroku_b4cb764f7ec7aa3;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+---------------------------------+
| Tables_in_heroku_b4cb764f7ec7aa3 |
+---------------------------------+
| article                         |
| articletag                      |
| tag                             |
| user                            |
+---------------------------------+
4 rows in set (0.03 sec)

mysql>
```

Deployment

User View

Editor View

Blog ID	Blog Title	Hashtags/Details	Date Posted	Update Blog	Delete Blog
1	Will to Power	philosophy	2022-07-25T16:55:27	Edit	Delete
24	Will to Truth	philosophy	2022-08-02T22:04:05	Edit	Delete
34	The Uncanny	psychology	2022-08-02T22:09	Edit	Delete

Website

Blog ID	Blog Title	TinyMCE	Hashtags/Details	Date Posted	Expire Time	Approve Blog	Delete Blog
44	Dream Analysis	<p>Write yoJung was the eminent adept of Freud and, for a while, a tireless fighter for the Freudian cause, that is, the universal promotion of psychoanalysis. He was influenced by Freud's approach of the delicate problem of dream interpretation. Later on, Jung develops his own theory which includes several revolutionary features: subject level, prospective aspect, compensation, amplification method. It is known that Freud interprets dreams on the object level; that is, according to the relationship between the dreamer and the persons or situations in his real of fantasy life. Jung introduces the subject level; What is this level? The fact that the dream reveals, in a symbolic way, some features of dreamer's psychic life or of his internal psychic transformations. This way the dream becomes an indicator of those changes that sometimes point to the development of the individual process.</p> <p style="font-family: Arial;" align="LEFT"><span style="color: #000000; font-family: Times New Roman,Times,Times	psychology	2022-08-02T22:11:37		Approve	Delete

What we've learned

- Teamwork

- Communication

- Equity

- Sharing Responsibilities

Problems Encountered

- Time constraint

- Trouble Uploading pictures

- Limited Resources

- Limited Knowledge

Potential enhancements

- A comment section for the users to leave feedbacks

- A list of emojis for the users to stamp onto each article

- A premium membership fee of 5$ for access to admin role

Thank you

Any Questions or Feedbacks?