Progress Report 2

COSC 4P02 Software Engineering II

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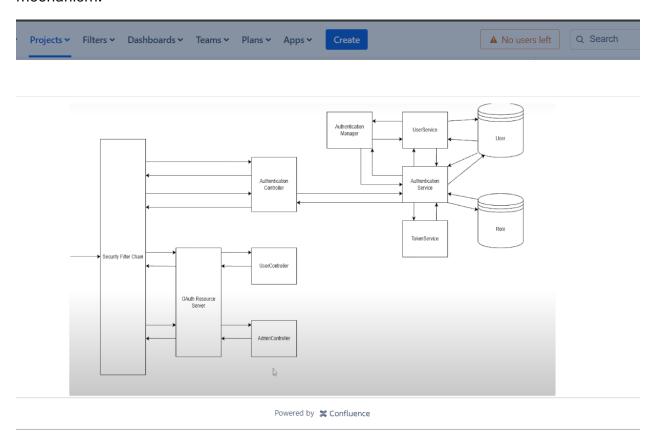
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So, the progress we made after the last progress report is as follows:

User login and spring security

Firstly, we implemented spring security in the user management system, so now user can login/signup into the application using the spring JWT token security, which is one of the most secured ways to login into the application. Here is the screenshot of our security mechanism:



Any request made by the user will hit our Security filter chain end point, which ensures if the user has the reuqired permisssion to access that end point or resource, if not permitted either user is denied access with HTTP 401, unauthorized or if they are not logged in yet, they are prompted with signin/signup page.

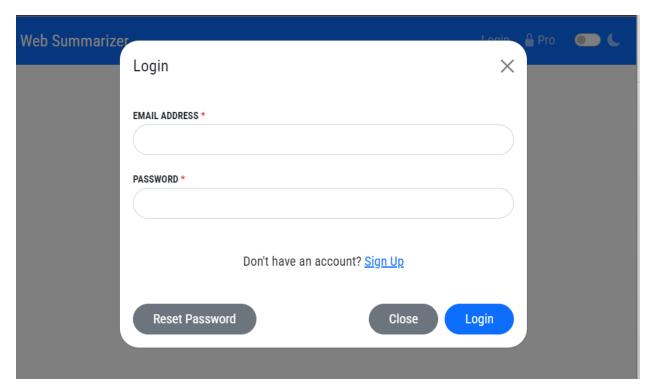
To avoid the unauthorized access to the database, we have chosen to use Authention Service, which is responsible to communicate with the database to access the required resources. Having all the communitions done through the authentication controller, it is impossible for the user to access the DB or user access of other users.

Once a request is submitted by the user, if the credentials are valid, we return a valid JWT encrypted token to the user which is valid for a session, if the credentials are invalid, then user is prompted to fill valid information.

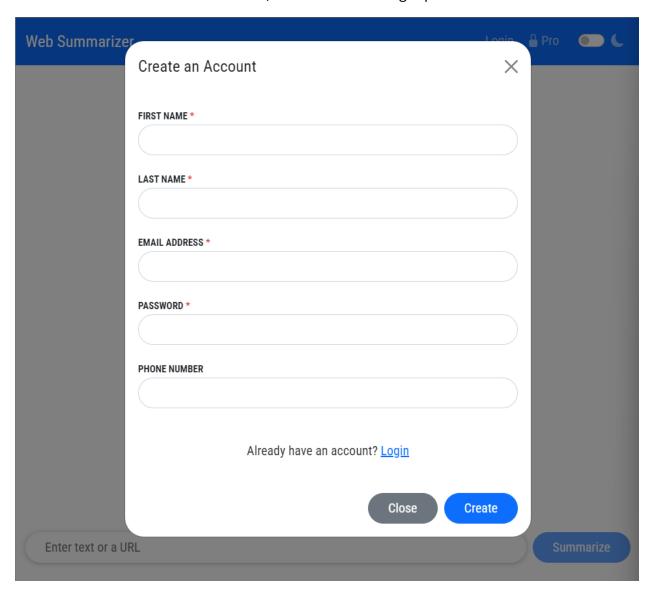
The OAuth Resouce server is reposible to access the required webpage for the user according to validity the request. (The administrator part of the application might not be required for this application, so we might remove it later).

Here is the sample login and registration feature:

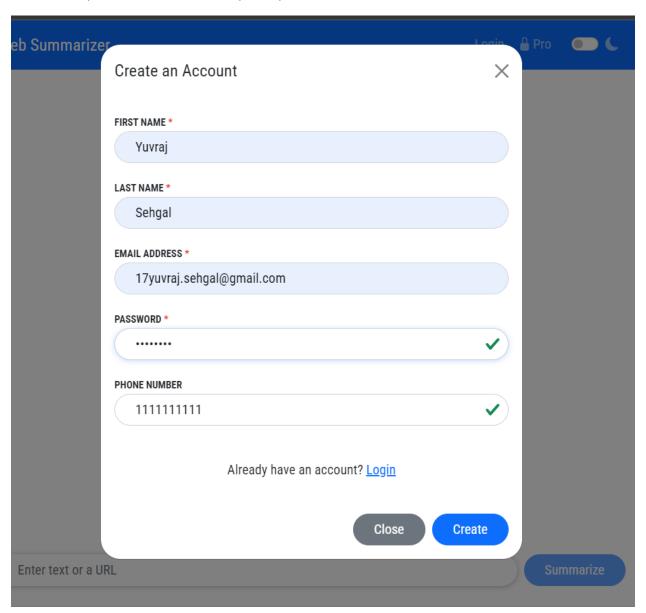
Once the user clicks on the login, they will be prompted with the login modal:



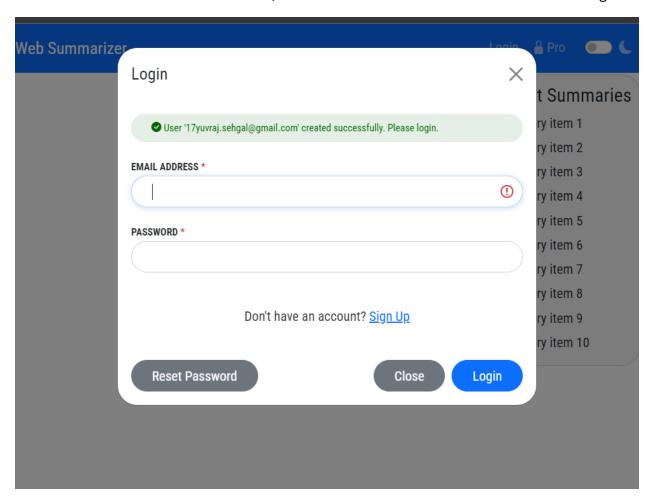
Since we do not have a user account, we would like to signup as follows:



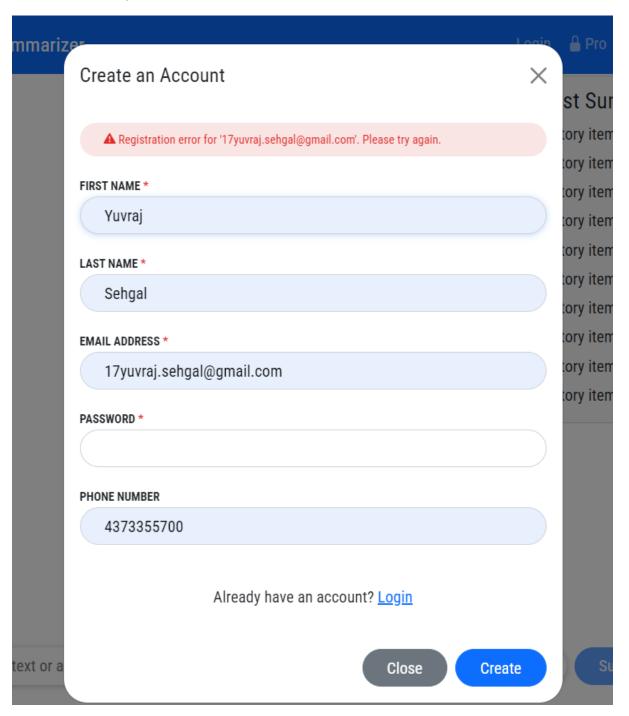
Fill up the required information, and the front-end ensures that any invalid input is submitted (like a blank mandatory field)



Once valid user details are submitted, user will see a user creation successful message

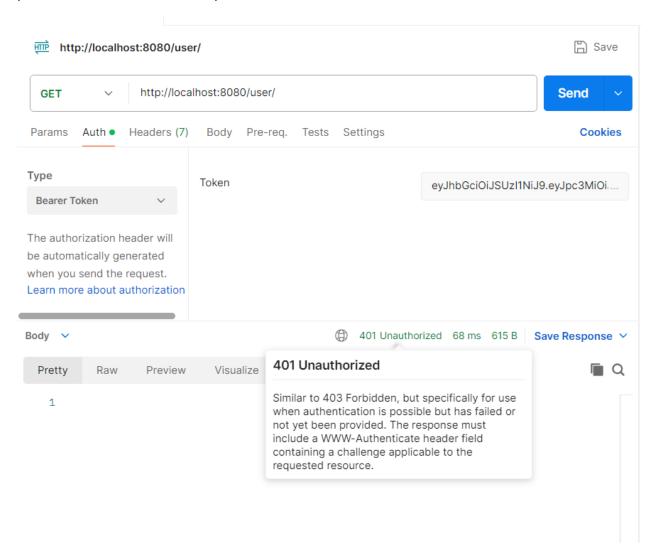


Now if we try to register the user using same email, it won't be allowed, since every user must have a unique email address.

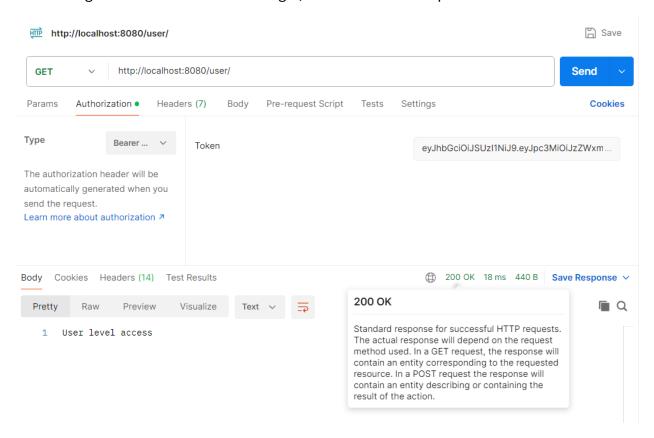


Now since we have '17yuvraj.sehgal@gmail.com' as a registered user we can login using these credentials (currently our front-end for login is under progress, so we are using the back end for demonstration using postman)

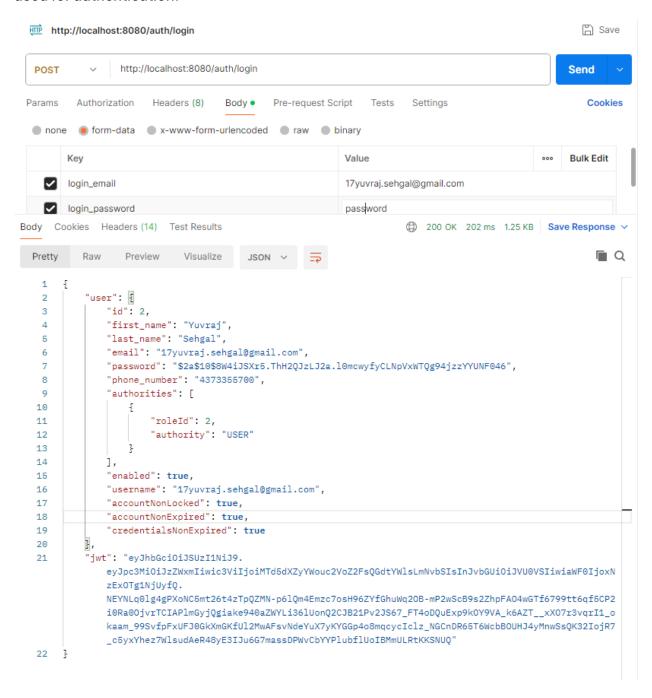
If we try to access the /user endpoint we will get a 401 unauthorized since this endpoint is protected. And the token we provided is invalid.



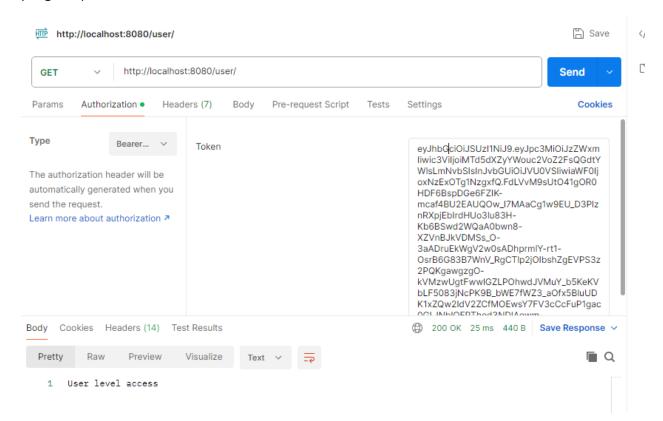
Now if we give this valid token to the login, we will have the required user level access.



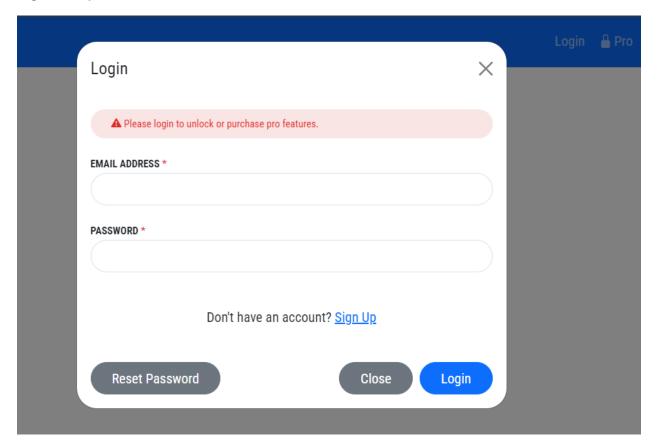
Now we try to login using valid credentials, it will return a valid JWT token which can be used for authentication.



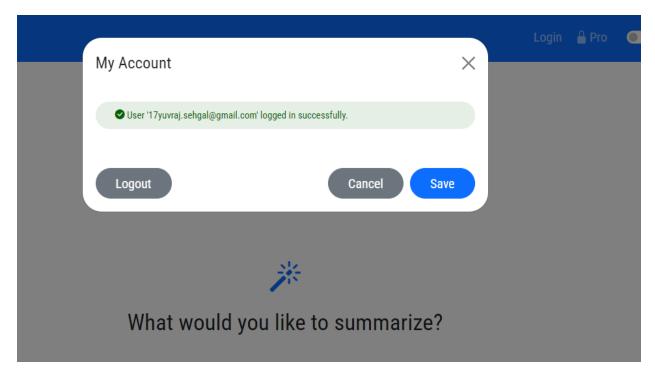
Now since we have valid JWT, we can have User level access, which will include different features like user history, password resets etc. (some of these features are under progress).



In order to use pro features of the application, the user must login, they are prompted to login if they haven't done so.

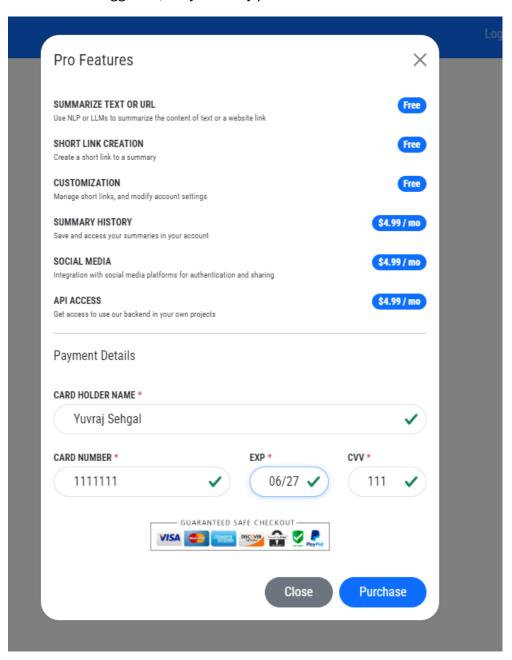


Front-end (in-progress)

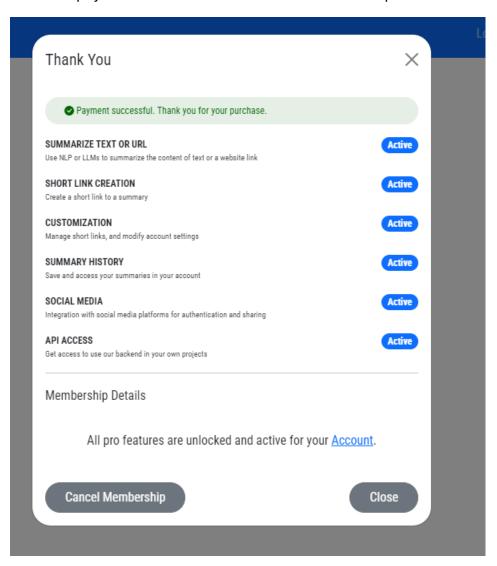


Premium features payment

Once user is logged in, they can buy premium features as follows:

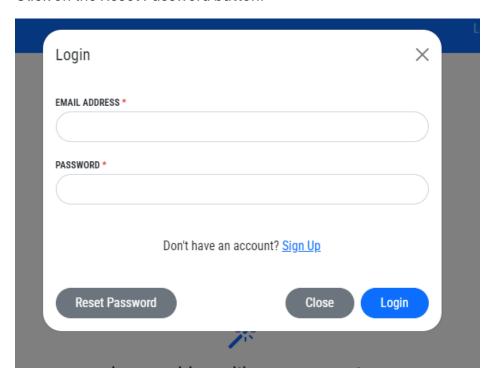


Once the payment is made the user can access all the premium features

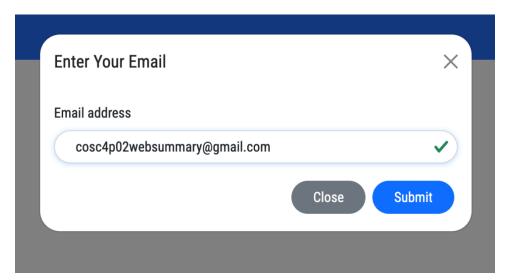


Password reset feature.

Click on the Reset Password button.



Enter email of existing user



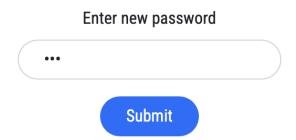
After submitting the request user will receive an email



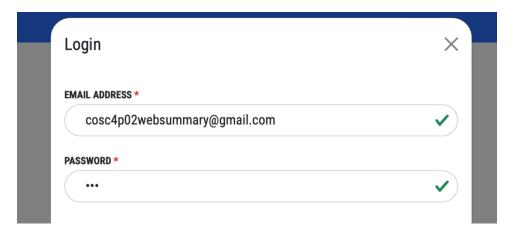
The email will contain the link for the password reset.



Once the user clicks on the link, they will be redirected to the enter new password prompt as follows



After submitting user has successfully changed the password



Proof of new sign-in

where
u1_0.email=?
2024-04-01T14:37:52.642-04:00 INFO 18291 --- [nio-8080-exec-2] c.w.W.S.services.AuthenticationService : returning the following login response dto: LoginResponseDTO
(user=User(id=152, first_name=John, last_name=Smith, email=cosc4p02websummary@gmail.com, password=\$2a\$10\$vbpKHLmD1wG3ERuP48toTOHAr1WKof3zDXRnmTpoR5Yv0ZW6GHRdK,
phone_number=, request_token=null, authorities=[Role(roleId=2, authority=uSER])], jwte=yJhb6cioliJSUz1TNiJ9
.eyJpc3M10iJzZWxmIfwic3VifjoiY9zYzRwMP0J3ZWJzdW1tYXJG0gdtYW1sLmMvbS1sInJvb6Ui0iJJVUUVSIiwiaWF0IjoxNzExOTKzNjcyfQ
.py46CSHYqphqT_Uk_HSYN1601yxcoKAQJhjKXC2NKY_MqxxRx7xk9Yy5hGFvFzAEh6Do5LnmoJ_XDlqqRvVpwqkhWAFgyccQa8R0EhdMIlDdctqBAzA6lbnvG7WyrEr0X8ZkIPdm_HcKcWrWT8oSQlCsenphFXHPWMJuM57XitRI
pHXvQgf_WUC68ayGmblOn2PH_8Chsqbc9Aga8xDF_zBgU83PeazMymWMQuj3a9YBav2x2U8pLKTGmM0PPoCstuIxGdebeV4GuFUkdUdWDUTzfg9pD4yxOdjlcTAuq9mbKbZQ1_TWgPwa3hlb5zpJopN6Q01R19PJA9qm3LYivg)

Short Link URL for given summary feature.

Once the user log in, they get the feature of sharing their summary using a shortened URL.

For example, if we had 3 summarizes under our account:

	hid [PK] bigint	history_content character varying (100000)
1	1	Sotu: Bideri's response to immigration was "unacceptable" Biden: "I don't think it was the right thing to do. It was not the right response to the immigration issue" Click here for more from CNN.com: http://www.cnn.com/201-
2	2	Sotu: Bideri's response to immigration was "unacceptable" Biden: "I don't think it was the right thing to do. It was not the right response to the immigration issue" Click here for more from CNN.com: http://www.cnn.com/201-
3	3	The Academy Awards were held on March 10. The winners were announced at a ceremony in Los Angeles. The ceremony was attended by more than 100,000 people. The awards were presented by the Academy of Motion F

A short link will be associated with them as follows:

/	short_link character varying (255)	<pre>upload_time timestamp without time zone (6) *</pre>	uid bigint	,
on-biden.html	ABCDEF	2024-03-10 00:00:00		1
on-biden.html	MP16UG	2024-03-10 23:43:01.28967		1
od Foreign Press Association. For more, go to CNN.com	W35YG0	2024-03-11 00:24:03.036088		1

(note from the developer):

We still need a front end for this to run properly.

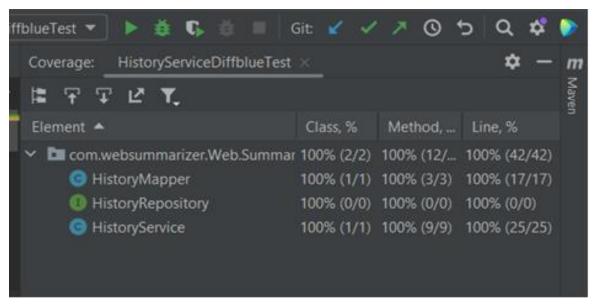
This version of the short link is compatible with the main branch as of 03-10-2024. It requires data in the user and history tables to run. The generated short link will have six characters at the end, which can be copied and pasted into http://localhost:8080/ to access the summarization. For example, if the short link is http://localhost:8080/MP16UG, MP16UG is the six characters at the end of the summarization.

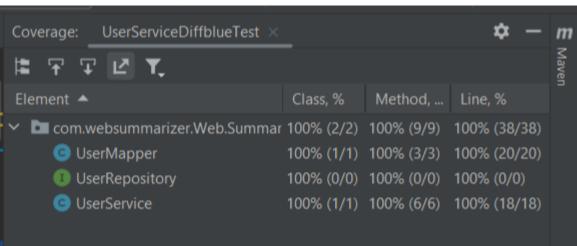
```
{"history_content":"Sotu: Biden's response to immigration was \"unacceptable\" Biden: \"I don't think it was the right thing to do. It was not the right response to the immigration issue\" Click here for more from CNN.com: http://www.cnn.com/2014/03/10/politics/biden-response-immigration-biden.html", "short_link":"MP16UG", "upload_time":"2024-03-10T23:43:01.28967", "uid":1, "hid":2}
```

Unfortunately, The API we are using in the backend for LLM is currently down, so we cannot provide the most up to date screenshots of the feature.

Testing progress

The unit test coverage of our application. Some of the classes were just introduced to the application so we have less test coverage for those classes, but we are working on that currently, so it will be updated soon.



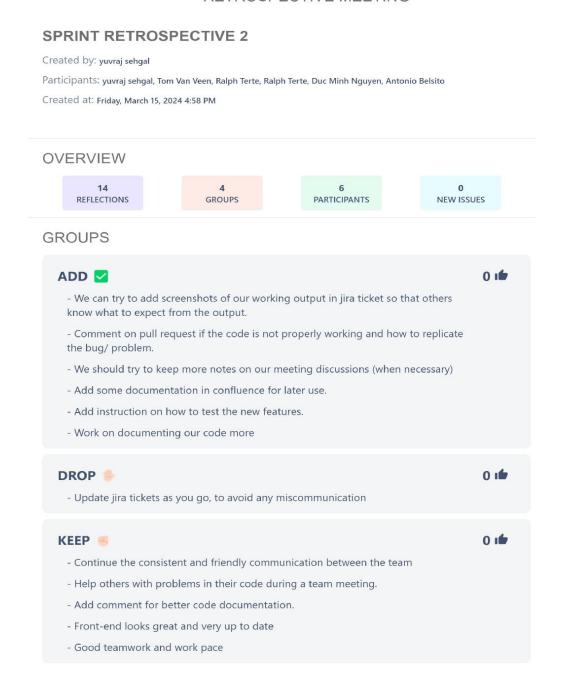


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Element 📤	Class, %	Method,	Line, %	
com.websummarizer.Web.Summar	46% (7/15)	44% (27/6	32% (43/131)	
> im history	0% (0/6)	0% (0/20)	0% (0/22)	
✓ ■ user	100% (6/6)	95% (21/2	91% (22/24)	
UserReqAto	100% (2/2)	100% (8/8)	100% (8/8)	
o UserResAto	100% (2/2)	100% (9/9)	100% (9/9)	
UsersResAto	100% (2/2)	80% (4/5)	71% (5/7)	
G HistoryController	0% (0/1)	0% (0/6)	0% (0/21)	
b UserController	100% (1/1)	100% (6/6)	100% (21/21)	
WebController	0% (0/1)	0% (0/7)	0% (0/43)	

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Ŧ	HistoryController	100% (1/1)	66% (4/6)	63% (14/22)	
Z	UserController	0% (0/1)	0% (0/6)	0% (0/21)	
	© WebController	0% (0/1)	0% (0/7)	0% (0/44)	

Sprint retrospective 2:

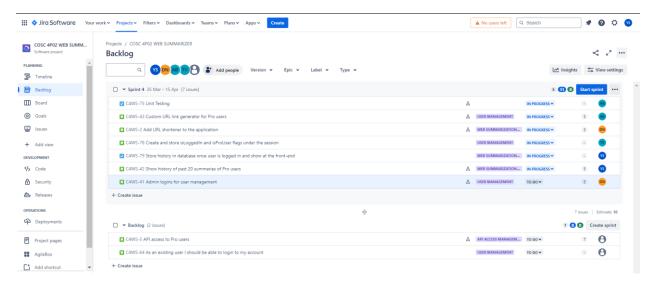
RETROSPECTIVE MEETING





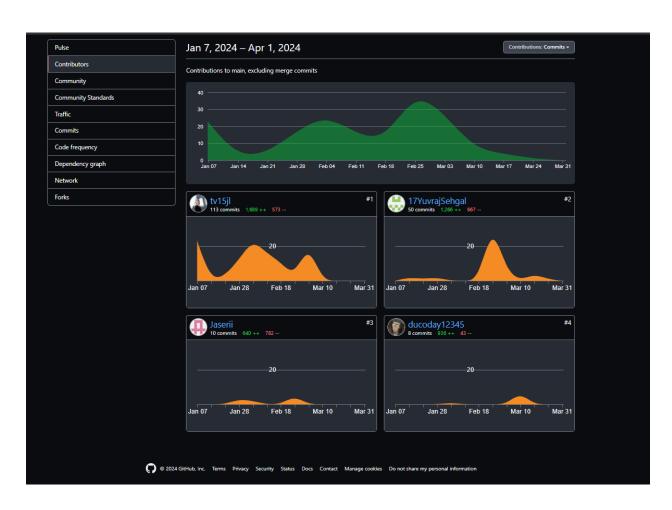
The sprint retrospective for our sprint 3 is due this week, since there was a long weekend, so we delayed our meeting.

Sprint backlog:



Github logs





Current and future work

For the current sprint we are wrapping up user management and, once it is done, we will work on the final phase of the application by adding some pro features within the application. Also, we will focus on the integrated system before the release of our application. Once the testing is done, we are planning to host our application on the server before our final presentation.