Release Planning Document

COSC 4P02 Software Engineering II

Naser Ezzati-Jivan

Brock University

TA: Madeline Janecek

Thomas Van Veen
tv15jl@brocku.ca
#5937123

Ralph Terte
rt19bu@brocku.ca
#6911002

Duc Nguyen Minh
dn19zf@brocku.ca
#6877765

Yuvraj Sehgal
ys19rk@brocku.ca
#6921795

Antonio Belsito
ab19do@brocku.ca
#6909543

Project Management Tools

We will be using the software Jira to manage our User Stories and Product Backlogs as it has integration with GitHub. For documentation purposes we are using confluence as JIRA and confluence can be merged easily.

Jira URL:

(URL might not work until you login to the Atlassian, if someone wants access to our JIRA please email Yuvraj Sehgal at ys19rk@brocku.ca so that we can add you to our JIRA/confluence as a viewer)

C4WS board - Agile board - Jira (atlassian.net)

Confluence URL:

COSC 4P02 WEB SUMMARIZER - Confluence (atlassian.net)

Tools being used:

- Github
- JIRA
- Confluence
- Intellij
- VS Code
- Web Storm
- PostgreSQL
- PgAdmin 4

Epics

Our application has 3 epics so far, each of which comprise of various user stories of similar interests. The epics are as follows:

User stories

*Our user stories comprise of **child user stories** that are used to further breakdown the story into subtasks that various developers can work on. For example, when creating an input box for URL submission, the child stories comprise of front end (FE) where front end developer will add the input box to pass the URL and a submit button, whereas another story includes Backend (BE) development of this feature, where BE developer will write code for the URL web scrapping and passing it to the BART Api to extract the summary.*

This helps to make sure that both the front-end and back-end issues are being addressed at the same time, if one of them is not done, the issue cannot be resolved until the other one is also completed.

NOTE: Every user story has child issues/stories

- **Design and implement database for the application**

○ **Add the relational database design to the confluence page**

C4WS-16 / C4WS-31   ◉ 1 👍 ⤳ ••• ✕

Add Design to Confluence

📎 Attach   🔗 Link issue   ⌄   •••

To Do ⌄	⚡ Actions ⌄

Description

Add the UML design of the Relational Database to the confluence page for future reference and changes. Once completed, link the confluence page with this issue.

Activity

Show: All   **Comments**   History   Newest first ⬇

YS | Add a comment... |

Pro tip: press **M** to comment

Details	^
Assignee	YS yuvraj sehgal
Labels	design
Parent NEW	🟩 C4WS-16 As a database a...
Sprint	Sprint 1
Story point estimate	1
Development	🔀 Create branch
	◊ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 9 hours ago   ⚙ Configure
Updated 8 hours ago

○ **Setup the database for UAT env for user acceptance testing**

C4WS-16 / C4WS-32   ◉ 1 👍 ⤳ ••• ✕

UAT Database setup

📎 Attach   🔗 Link issue   ⌄   •••

To Do ⌄	⚡ Actions ⌄

Description

Create the database for the UAT testing environment. Once the database is created share the information like credentials required, Port, host, and other required information for connection.

Activity

Show: All   **Comments**   History   Newest first ⬇

YS | Add a comment... |

Pro tip: press **M** to comment

Details	^
Assignee	YS yuvraj sehgal
Labels	design
Parent NEW	🟩 C4WS-16 As a database a...
Sprint	Sprint 1
Story point estimate	2
Development	🔀 Create branch
	◊ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 8 hours ago   ⚙ Configure
Updated 8 hours ago

- **Setup the database for IST env for integrated system testing**

C4WS-16 / C4WS-33

IST Database setup

Attach | Link issue | ⌄ | ...

To Do ⌄   ⚡ **Actions** ⌄

Description
Create the database for the IST testing environment. Once the database is created share the information like credentials required, Port, host, and other required information for connection.

Activity
Show: All | Comments | History   Newest first ⬇

YS | Add a comment...

Pro tip: press **M** to comment

Details	⌃
Assignee	YS yuvraj sehgal
Labels	design
Parent NEW	C4WS-16 As a database a...
Sprint	Sprint 1
Story point estimate	2
Development	⑂ Create branch
	⎇ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 8 hours ago   ⚙ Configure
Updated 8 hours ago

- **Perform testing of the UAT database by adding dummy data**

C4WS-16 / C4WS-34

Test UAT DB

Attach | Link issue | ⌄ | ...

To Do ⌄   ⚡ **Actions** ⌄

Description
Add dummy data to the UAT environment Database so that User acceptance testing can be completed.

Activity
Show: All | Comments | History   Newest first ⬇

YS | Add a comment...

Pro tip: press **M** to comment

Details	⌃
Assignee	YS yuvraj sehgal
Labels	Database Development
Parent NEW	C4WS-16 As a database a...
Sprint	Sprint 1
Story point estimate	2
Development	⑂ Create branch
	⎇ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 9 hours ago   ⚙ Configure
Updated 13 minutes ago

○ **Perform testing of the IST database by adding dummy data**

C4WS-16 / C4WS-35

Test IST DB

Attach | Link issue | ⌄ | •••

Description
Add dummy data to the IST environment Database so that Integrated system testing can be completed.

Activity
Show: All Comments History

Newest first ↓=

YS | Add a comment...

Pro tip: press **M** to comment

To Do ⌄   ⚡ Actions ⌄

Details ⌃

Assignee	YS yuvraj sehgal
Labels	Database Development
Parent **NEW**	🟩 C4WS-16 As a database a...
Sprint	Sprint 1
Story point estimate	2
Development	⑂ Create branch
	◇ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 9 hours ago
Updated 18 minutes ago

⚙ Configure

○ **PROD database setup**

C4WS-16 / C4WS-36

PROD Database setup

Attach | Link issue | ⌄ | •••

Description
Create the database for the PROD environment. Once the database is created share the information like credentials required, Port, host, and other required information for connection.

Activity
Show: All Comments History

Newest first ↓=

YS | Add a comment...

Pro tip: press **M** to comment

To Do ⌄   ⚡ Actions ⌄

Details ⌃

Assignee	YS yuvraj sehgal
Labels	design
Parent **NEW**	🟩 C4WS-16 As a database a...
Sprint	Sprint 1
Story point estimate	2
Development	⑂ Create branch
	◇ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 8 hours ago
Updated 8 hours ago

⚙ Configure

— Design the home page for the application

Design the home page for the application

Attach   ⚎ Add a child issue   🔗 Link issue   ⌄   •••

Description

As a user

I want to access the system through a web interface for easy access

so that I explore the website effortlessly

Design the UI of the home page of the application. This will include text box options if someone wants to use URL submission feature or if they want to include the text itself for the summarization. Other things that will be included are login/signup button, upgrade to pro, services provided, URL shortener etc.

Child issues   Order by ⌄   •••   +

0% Done

📄 C4WS-22 FE - Homepage design	= - 🙂	TO DO ⌄
📄 C4WS-23 BE - Homepage development	= - 🙂	TO DO ⌄

Activity

Show: All   Comments   History   Newest first ⇳

YS   Add a comment...

Pro tip: press **M** to comment

🔒   👁 1   👍   ⤴   •••   ✕

In Progress ⌄   ⚡ Actions ⌄

Details   ⌃

Assignee	TV Tom Van Veen
	Assign to me
Labels	Development design product ux
Parent ⓘ	⬛ C4WS-19 User Management
Sprint	Sprint 1
Story point estimate	4
Development	⎇ Create branch
	◇ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 2 days ago   ⚙ Configure
Updated 2 minutes ago

— Add "login/signup" feature in the application

C4WS-19 / C4WS-1

Add "login/signup" feature in the application

⫶ Attach   🗂 Add a child issue   🔗 Link issue   ⌄   •••

Description

| Normal text ⌄ | **B** *I* ••• | A ⌄ | ⁞≡ ⁞≣ | 🔗 🖼 @ ☺ ⊞ <> 🛈 +⌄ |

As a user

I want to registration/login into the application

so that I can access the advanced features

This issue requires the designing and implementation of the user management system for the application. This includes adding BE and FE functionality to the application for user registration i.e. login/signup. Once the development is completed make sure to write unit tests.

Save   Cancel

Child issues

Order by ⌄   •••   +

0% Done

| 🔷 C4WS-25 | FE - Add "login/signup" button | ═ · 🧑 | TO DO ⌄ |
| 🔷 C4WS-26 | BE - for user login and registration | ═ · 🧑 | TO DO ⌄ |

Activity

Show: All   Comments   History   Newest first ↓⹀

YS   Add a comment...

Pro tip: press **M** to comment

🔒   👁 1   👍   🔗   •••   ✕

In Progress ⌄   ⚡ Actions ⌄

Details   ⌃

Assignee	AB Antonio Belsito
	Assign to me
Labels	Development design ux
Parent 🛈	🟪 C4WS-19 User Management
Sprint	Sprint 1
Story point estimate	5
Development	🌿 Create branch
	◇ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 2 days ago   ⚙ Configure
Updated 6 hours ago

— Web summarizer for given URL

Web summarizer for given URL

Attach   Add a child issue   Link issue   ∨   ...

Description

As a user

I want to get the summary of a webpage at the given URL

so that I can save time by not reading unnecessary information.

This includes adding the LLM model to the application. The backend API needs to be merged with this model so that expected requirements are met successfully. Also create the frontend to accept the URL from the user, this URL will be passed to Web Scrapper which will give the required input text to the LLM.

Child issues   Order by ∨   ...   +

0% Done

C4WS-58	FE - Add URL input bar for the users to pass weblinks of webpage	-	🧑	TO DO ∨
C4WS-59	BE - Use LLM to generate the required summary	-	🧑	TO DO ∨

What needs to be done?

🔍 Choose an existing issue   Create   Cancel

Activity

Show: All   Comments   History   Newest first ↓≡

YS   Add a comment...

Pro tip: press **M** to comment

In Progress ∨   ⚡ Actions ∨

Details ⌃

Assignee	DN Duc Minh Nguyen
	Assign to me
Labels	None
Parent ⓘ	C4WS-21 Web summarizati...
Sprint	Sprint 1
Story point estimate	3
Development	⑂ Create branch
	◇ Create commit ∨
Reporter	YS yuvraj sehgal

Created 2 days ago   ⚙ Configure
Updated 37 minutes ago

— Add google/Facebook authentication for login/signup

C4WS-19 / C4WS-37

Add google/Facebook authentication for login/signup

In Progress ∨   ⚡ **Actions** ∨

📎 Attach   👥 Add a child issue   🔗 Link issue   ∨   •••

Description

Normal text ∨ | **B** *I* ••• | **A** ∨ | ☰ ☱ | 🔗 🖼 @ ☺ ▦ ‹› ❶ + ∨

As a user

I want to register through my Google/Facebook account into the application

so that I can login into application using my google/Facebook accounts.

Use Google/Facebook's API for user authentication. Add both BE and FE code for this feature and do necessary testing including unit tests.

Save   Cancel

Child issues   Order by ∨   ••• +

0% Done

| 🔲 C4WS-38 | FE Add "login/signup with facebook/google" button | ═ - 😑 | TO DO ∨ |
| 🔲 C4WS-39 | BE Google/Facebook login | ═ - 😑 | TO DO ∨ |

Activity

Show: All **Comments** History   Newest first ↓≡

YS   Add a comment…

Pro tip: press **M** to comment

Details   ∧

Assignee	RT Ralph Terte
	Assign to me
Labels	Development
Parent ⓘ	🟪 C4WS-19 User Management
Sprint	Sprint 1
Story point estimate	4
Development	⎇ Create branch
	◊ Create commit ∨
Reporter	YS yuvraj sehgal

Created 19 hours ago   ⚙ Configure
Updated 6 hours ago

— **Add get summary of text (not webpage)**

Add get summary of text (not webpage)

📎 Attach   🔗 Add a child issue   🔗 Link issue   ⌄   •••

Description

| Normal text ⌄ | **B** *I* ••• | A⌄ | ☰ ☰ | 🔗 🖼 @ ☺ ⊞ <> ⓘ +⌄ |

As a user

I want to copy my own text instead of giving the URL

so that I can get the summary of the given text

The user must be able to copy the text of their choice and should be able to get summary for it instead of giving a URL.

Save   Cancel

Child issues   Order by ⌄   •••   +

                                                            0% Done

| 🔷 C4WS-44 | FE - Add input text box for the user input and a submit button... | - | 🔵 | TO DO ⌄ |
| 🔷 C4WS-45 | BE - Add BE to get the summary of the given text | - | 🔵 | TO DO ⌄ |

| What needs to be done? |

🔍 Choose an existing issue   Create   Cancel

Activity

YS | Add a comment... |

Pro tip: press **M** to comment

🔒 👁 1 👍 ⤴ ••• ✕

To Do ⌄   ⚡ Actions ⌄

| Details | ⌃ |

Assignee	🔵 Unassigned
	Assign to me
Labels	Development design product
	ux
Parent ⓘ	🔷 C4WS-21 Web summarizati...
Sprint	None
Story point estimate	2
Development	🔀 Create branch
	◆ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 2 days ago   ⚙ Configure
Updated 18 hours ago

— Add URL shortener to the application

C4WS-21 / C4WS-2

Add URL shortener to the application

📎 Attach   🖧 Add a child issue   🔗 Link issue   ⌄   •••

Description

As a user

I want to create shortened URLs of the summary text

so that the weblink may be easier to access and remember

Users must be able to create a short link for the summary of text they have retrieved. This short URL can be shared with others to check the summary

Child issues   Order by ⌄   •••   +

0% Done

📄 C4WS-46	FE - Add button to get the shortened URL of the summary text	-	👤	TO DO ⌄
📄 C4WS-47	BE - Add logic to create a unique short URL for the summary text	-	👤	TO DO ⌄

What needs to be done?

🔍 Choose an existing issue   Create   Cancel

Activity

Show: All   Comments   History   Newest first ⬇⁼

YS   Add a comment...

Pro tip: press **M** to comment

To Do ⌄   ⚡ Actions ⌄

Details ⌃

Assignee	👤 Unassigned
	Assign to me
Labels	Development
Parent ⓘ	🟪 C4WS-21 Web summarizati...
Sprint	None
Story point estimate	3
Development	⦕ Create branch
	◊ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 2 days ago   ⚙ Configure
Updated 18 hours ago

— Add "share" link with others functionality

C4WS-21 / C4WS-6

Add "share" link with others functionality

[Attach] [Add a child issue] [Link issue] [▾] [⋯]

Description

| Normal text ▾ | B | I | ⋯ | A ▾ | ☰ | ☰ | ⫶ | 🔗 | 🖼 | @ | ☺ | ⊞ | ⟨⟩ | ① | +▾ |

As a user

I want an easy way to share the URLs

so that other people can access them

Users must be able to share links with other users using various platforms.

[Save] Cancel

Child issues   Order by ▾ ⋯ +
                                              0% Done

| C4WS-48 | FE - Add logo of various platforms like email, copy URL etc. w... | - | 👤 | TO DO ▾ |
| | BE - Add functionality to access various platforms that can be used to share the li... | | 👤 | |

What needs to be done?

🔍 Choose an existing issue   [Create] Cancel

Activity

Show: All **Comments** History   Newest first ⬇

YS   Add a comment...

Pro tip: press **M** to comment

🔒 👁 1 👍 ⤴ ⋯ ✕

To Do ▾   ⚡ Actions ▾

Details ▴

Assignee	👤 Unassigned
	Assign to me
Labels	Development product ux
Parent ⓘ	C4WS-21 Web summarizati...
Sprint	None
Story point estimate	3
Development	⑃ Create branch
	◊ Create commit ▾
Reporter	YS yuvraj sehgal

Created 2 days ago   ⚙ Configure
Updated 18 hours ago

– API access to Pro users

C4WS-20 / C4WS-5

API access to Pro users

Attach | Add a child issue | Link issue | ⌄ | ...

Description

As a pro-user

I want to have access the API of the system

so that I can fine-tune the system to my specific needs

This Pro feature would allow users to use our backend API for customization. The user will be able to get access to our Rest API. A private token must be granted to such customer using which they can query the API.

Child issues   Order by ⌄ ... +

                                                              0% Done

C4WS-50	FE - Add output text bar and generate API token button	= - 🧑	TO DO ⌄
C4WS-51	BE - Generate unique random tokens for the API access	= - 🧑	TO DO ⌄

Activity

Show: All   **Comments**   History   Newest first ⬇

YS   Add a comment...

       Pro tip: press **M** to comment

To Do ⌄   ⚡ Actions ⌄

Details   ⌃

Assignee   🧑 Unassigned
                  Assign to me

Labels   None

Parent ⓘ   C4WS-20 API Access Manage...

Sprint   None

Story point estimate   7

Development   ⤜ Create branch
                  ◇ Create commit   ⌄

Reporter   YS yuvraj sehgal

Created 3 days ago   ⚙ Configure
Updated 44 minutes ago

– Show history of past 20 summaries of Pro users

C4WS-21 / C4WS-42

Show history of past 20 summaries of Pro users

Attach | Add a child issue | Link issue | ⌄ | ...

Description

As a pro-user

I want to be able to see my summary history

so that I can revisit and access previous outputs

A user once logged in, should be able to see their past 20 summaries, this the data earlier than that can be removed from user's end. Also the link to these summaries must also be visible so that they can share previous data.

Child issues   Order by ⌄ ... +

                                                              0% Done

C4WS-52	FE - Create a table that shows the past 20 summary links of the user	= - 🧑	TO DO ⌄
C4WS-53	BE - Store the links of past 20 searches in the DB and extract them w...	= - 🧑	TO DO ⌄

Activity

Show: All   **Comments**   History   Newest first ⬇

YS   Add a comment...

       Pro tip: press **M** to comment

To Do ⌄   ⚡ Actions ⌄

Details   ⌃

Assignee   🧑 Unassigned
                  Assign to me

Labels   Development design ux

Parent ⓘ   C4WS-21 Web summarization...

Sprint   None

Story point estimate   5

Development   ⤜ Create branch
                  ◇ Create commit   ⌄

Reporter   YS yuvraj sehgal

Created 19 hours ago   ⚙ Configure
Updated 41 minutes ago

— Custom URL link generator for Pro users

Custom URL link generator for Pro users

To Do ⌄   ⚡ Actions ⌄

🔒 👁 1 👍 🔗 ⋯ ✕

Attach   🎋 Add a child issue   🔗 Link issue   ⌄   ⋯

Description

As a user

I want to customize the URL if available

so that the webpage may be easier to access and remember

The user must be able to create customized URL links if it is not being used by other users. This will be a Pro feature and user must be logged in to use this feature.

Child issues   Order by ⌄   ⋯   +

                                                    0% Done

| 📄 C4WS-54 | FE - add input bar for custom URL endpoint input like: webSum... | - | 👤 | TO DO ⌄ |
| 📄 C4WS-55 | BE - Generate and link the summaries with the generated link an... | - | 👤 | TO DO ⌄ |

What needs to be done?

🔍 Choose an existing issue   Create   Cancel

Activity

Show: All   Comments   History   Newest first ⇵

YS   Add a comment...

Pro tip: press **M** to comment

Details ⌃

Assignee	👤 Unassigned
	Assign to me
Labels	Development design
Parent ⓘ	🟪 C4WS-19 User Management
Sprint	None
Story point estimate	3
Development	🎋 Create branch
	◇ Create commit ⌄
Reporter	YS yuvraj sehgal

Created 19 hours ago   ⚙ Configure
Updated 4 minutes ago

— Admin logins for user management

Admin logins for user management

Attach | Add a child issue | Link issue | ∨ | ⋯

Description

As an admin

I want to create and modify user accounts

so that I can test the system and change add or revoke privileges

f the person who logged in is an admin, then they should be able to modify user accounts. Admin rights must not be given to any users. A person can be set as an admin user DMBS using SQL. The admin will have rights to modify user information and rights such as setting pro features availability, user access management etc.

Child issues   Order by ∨ ⋯ +

0% Done

C4WS-56	FE - Admin View to check all the users and their status, history etc.	- 👤 TO DO ∨
C4WS-57	BE - Security check to ensure nobody else gets admin rights	- 👤 TO DO ∨

What needs to be done?

🔍 Choose an existing issue   Create   Cancel

Activity

Show: All **Comments** History   Newest first ⬇

YS | Add a comment...

Pro tip: press **M** to comment

To Do ∨   ⚡ Actions ∨

Details   ∧

Assignee	👤 Unassigned
	Assign to me
Labels	Admin Development
Parent ⓘ	C4WS-19 User Management
Sprint	None
Story point estimate	5
Development	⌥ Create branch
	◇ Create commit ∨
Reporter	YS yuvraj sehgal

Created 19 hours ago   ⚙ Configure
Updated 10 minutes ago

Product backlog

Backlog

| | YS AB DN TV RT | Epic ∨ | Label ∨ | | Import work | Insights | View setting |

∨ Sprint 1 26 Jan – 29 Jan (5 issues)   0 18 0 Complete sprint ···

The goal of this sprint is to create application from scratch and add basic user management facilities like home page, database, user login/signup, UI/UX for interaction

	C4WS-16 Design and implement database for the application		USER MANAGEMENT	IN PROGRESS ∨	2	YS
	C4WS-17 Design the home page for the application		USER MANAGEMENT	IN PROGRESS ∨	4	TV
	C4WS-1 Add "login/signup" feature in the application		USER MANAGEMENT	IN PROGRESS ∨	5	AB
	C4WS-3 Web summarizer for given URL		WEB SUMMARIZATION...	IN PROGRESS ∨	3	DN
	C4WS-37 Add google/Facebook authentication for login/signup		USER MANAGEMENT	IN PROGRESS ∨	4	RT

+ Create issue

∨ Backlog (7 issues)   28 0 0 Create sprint

	C4WS-30 Add get summary of text (not webpage)		WEB SUMMARIZATION...	TO DO ∨	2	
	C4WS-2 Add URL shortener to the application		WEB SUMMARIZATION...	TO DO ∨	3	
	C4WS-6 Add "share" link with others functionality		WEB SUMMARIZATION...	TO DO ∨	3	
	C4WS-5 API access to Pro users		API ACCESS MANAGEM...	TO DO ∨	7	
	C4WS-42 Show history of past 20 summaries of Pro users		WEB SUMMARIZATION...	TO DO ∨	5	
	C4WS-43 Custom URL link generator for Pro users		USER MANAGEMENT	TO DO ∨	3	
	C4WS-41 Admin logins for user management		USER MANAGEMENT	TO DO ∨	5	

+ Create issue

Epic
- Issues without epic
- User Management
- Web summarization and link shortener
- API Access Management
+ Create epic

Board of sprint 1 and timeline

Sprint 1

The goal of this sprint is to create application from scratch and add basic user management facilities like home page, database, user login/signup, UI/UX for interaction

YS TV AB DN RT   Epic ∨   Label ∨

| TO DO	IN PROGRESS 5	DONE ✓
	Design and implement database for the application USER MANAGEMENT design Database Development C4WS-16 2	
	Design the home page for the application USER MANAGEMENT product ux design Development C4WS-17 4	
	Add "login/signup" feature in the application USER MANAGEMENT ux design Development C4WS-1 5	
	Web summarizer for given URL WEB SUMMARIZATION AND LINK SHORT... C4WS-3 3	
	Add google/Facebook authentication for login/signup USER MANAGEMENT Development C4WS-37 4	

Timeline
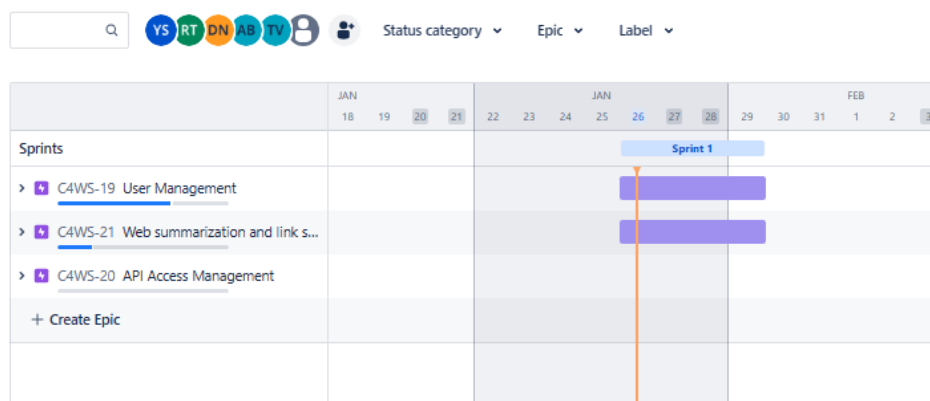
Work Contribution

Everyone in the group has contributed to the user story creation. We used a shared document to create a pool of ideas and later during a meeting we discussed all the possible features with the Product Owner to create a final list of user stories. All of us attended group meetings and were prepared to contribute at all given times.

Yuvraj Sehgal (Scrum master): Created and maintained JIRA and confluence, arranged the scrum meetings. Content contributor in the release planning document.

Thomas Van Veen (Product owner): Initiated the release planning document and prioritized the features for the upcoming sprint and release.

Antonio Belsito: Content contributor for the release planning document and helped to separate various functional and nonfunctional requirements of the application.

Duc Minh Nguyen: Content contributor for the release planning document and helped to separate various functional and nonfunctional requirements of the application.

Ralph Terte: Content contributor for the release planning document and helped to separate various functional and nonfunctional requirements of the application.