

Practical 5

Sprint-1

Team Members:

21BCE166 - Nikunj Jayvin Mahida

21BCE168 - Niti Chirag Patel

21BCE237 - Prisha Tushar Shah

21BCE253 - Richa Anilkumar Yadav

AIM: To sprint retrospective, implementation and product backlog of sprint-1.

DETAILS:

Start Date : 06/03/2024

End Date : 12/03/2024

Duration : 1 Week

Daily Scrum Time : 15mins

Total User Stories : 18

Artifacts : Sprint Backlog, Increment, Product Backlog

Sprint Goal:

- Selection Page
- Login page for driver
- Registration page for driver
- Home page for driver

Scrum Roles:

- **Product Owner:** Prisha Tushar Shah
- **Scrum Master:** Nikunj Jayvin Mahida
- **Cross Functional Team:** Richa Anilkumar Yadav, Niti Chirag Patel

ARTIFACT : 01

SPRINT BACKLOG:

1. As a driver, I want a selection page where I can easily identify and choose the option for "Driver" to manage fines and penalties.
2. As a police officer, I want a selection page where I can easily identify and choose the option for "Police Officer" to access law enforcement functionalities.
3. As a driver, I want to be directed to the “registration page” upon clicking “driver”.
4. As a driver, I want to be directed to the login page after I have registered, so that I can log in to the portal.
5. As a driver, I want to be directed to the login page when I click “login”, so that I can log in to the portal.
6. As a driver, I want to receive an error message upon entering incorrect login credentials, so that i can log in correctly.
7. As a driver, I want a “change password” button, so that I can change my password, in case I forget it.
8. As a driver, I want to receive an error message upon entering incorrect register credentials, so that I can be registered successfully.
9. As a driver, I want to be directed to the home page, so that I can do various functions.
10. As a driver, I want to have a table with violations and their respective fines, so that I can verify my challan.
11. As a driver, I want a “Fines” Button where I can view my pending fines, so that I can pay them on time.
12. As a driver, I want a “Pay fine” button in the “Payments” Button, so that I can pay my fines on time.
13. As a driver, I want a “View Receipt” button in “Payments” Button where I can view all my receipts, so that I have proof of payment.
14. As a driver, I want a “History” Button where I can view all my previous fines, so that I can keep track.

15. As a driver, I want an “Account” button where I can view my account details, so that I can view my account details and change them.
16. As a driver, I want an “Account image” button where I can view my account details, so that I can view my account details and change them.
17. As a driver, I want an “Home” Button where I can be redirected to the home page, so that I can easily reach the home page.
18. As a driver, I want to be directed to the home page upon clicking the “icon” on the top left, so that I can easily reach the home page.

SCREENSHOTS:

JIRA:

1. Sprint Backlog

Projects / E_challan

Backlog

The screenshot shows the JIRA interface for the 'E_challan' project. It displays the 'Backlog' section for 'Sprint 1'. There are 18 issues listed under the 'STORY Sprint 1' header. Each issue is represented by a card with a green checkmark icon, a title, and a 'TO DO' status indicator. The issues are: STORY-1, STORY-2, STORY-3, STORY-4, STORY-5, STORY-6, STORY-7, STORY-8, and STORY-9. The 'Start sprint' button is visible at the top right of the backlog table.

Issue	Description	Status
STORY-1	As a driver, I want a selection page where I can easily identify and choose the option for "Driver" to manage fines and penal...	TO DO
STORY-2	As a police officer, I want a selection page where I can easily identify and choose the option for "Police Officer" to access la...	TO DO
STORY-3	As a driver, I want to be directed to the "registration page" upon clicking "driver".	TO DO
STORY-4	As a driver, I want to be directed to the login page after I have registered, so that I can log in to the portal.	TO DO
STORY-5	As a driver, I want to be directed to the login page when I click "login", so that I can log in to the portal.	TO DO
STORY-6	As a driver, I want to receive an error message upon entering incorrect login credentials, so that i can log in correctly.	TO DO
STORY-7	As a driver, I want a "change password" button, so that I can change my password, in case I forget it.	TO DO
STORY-8	As a driver, I want to receive an error message upon entering incorrect register credentials, so that I can be registered succe...	TO DO
STORY-9	As a driver, I want to be directed to the home page, so that I can do various functions.	TO DO

Projects / E_challan

Backlog

The screenshot shows a Jira backlog page for the project 'E_challan'. At the top, there are search and filter icons, followed by a dropdown menu set to 'Epic'. Below this is a table listing 18 user stories, each with a small icon, a title, a status column ('TO DO'), and an edit icon. A '+' button for creating a new issue is located at the bottom left of the table.

STORY-10	As a driver, I want to have a table with violations and their respective fines, so that I can verify my challan.	TO DO	edit
STORY-11	As a driver, I want a "Fines" Button where I can view my pending fines, so that I can pay them on time.	TO DO	edit
STORY-12	As a driver, I want a "Pay fine" button in the "Payments" Button, so that I can pay my fines on time.	TO DO	edit
STORY-13	As a driver, I want a "View Receipt" button in "Payments" Button where I can view all my receipts, so that I have proof of...	TO DO	edit
STORY-14	As a driver, I want a "History" Button where I can view all my previous fines, so that I can keep track.	TO DO	edit
STORY-15	As a driver, I want an "Account" button where I can view my account details, so that I can view my account details and c...	TO DO	edit
STORY-16	As a driver, I want an "Account image" button where I can view my account details, so that I can view my account detail...	TO DO	edit
STORY-17	As a driver, I want an "Home" Button where I can be redirected to the home page, so that I can easily reach the home p...	TO DO	edit
STORY-18	As a driver, I want to be directed to the home page upon clicking the "icon" on the top left, so that I can easily reach th...	TO DO	edit

+ Create issue

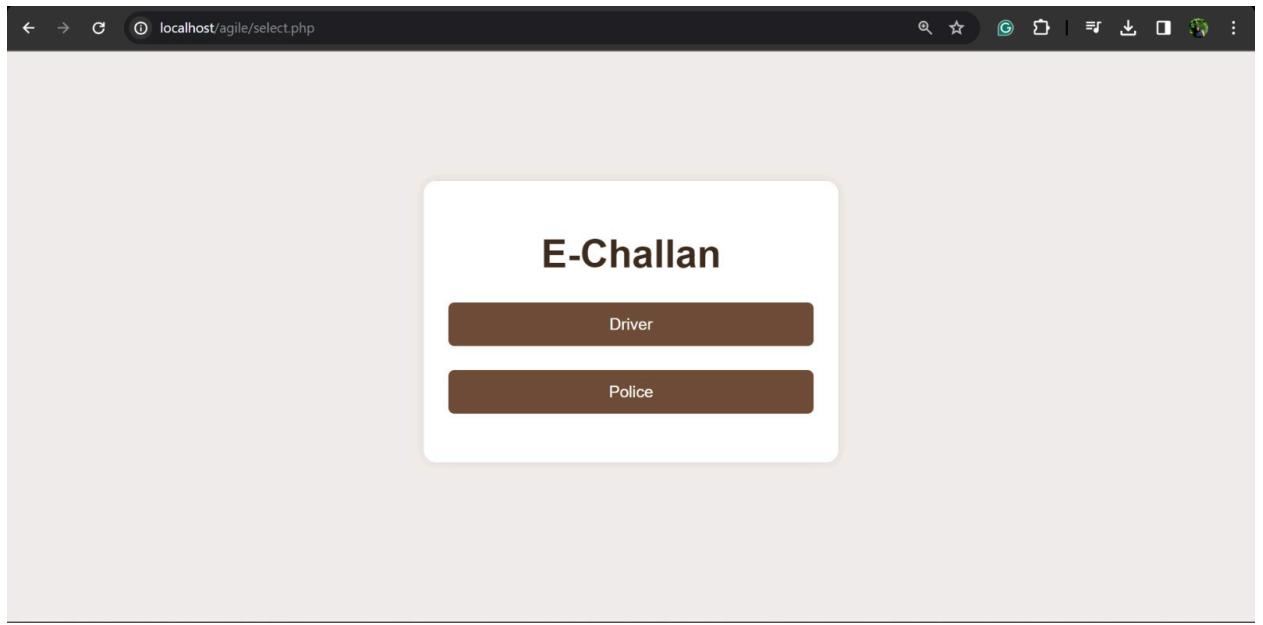
2. Sprint Completion:

The screenshot shows a Jira sprint completion dialog box. It features a yellow ribbon icon with a star. The title is 'Complete Sprint 1'. It states: 'This sprint contains: • 0 completed issues • 18 open issues'. Below this is a dropdown menu 'Move open issues to' set to 'New sprint'. At the bottom, there is a checkbox for 'Connect Jira to Confluence now' with a descriptive message about Confluence's benefits. Two buttons are at the bottom right: 'Cancel' and a blue 'Complete sprint' button.

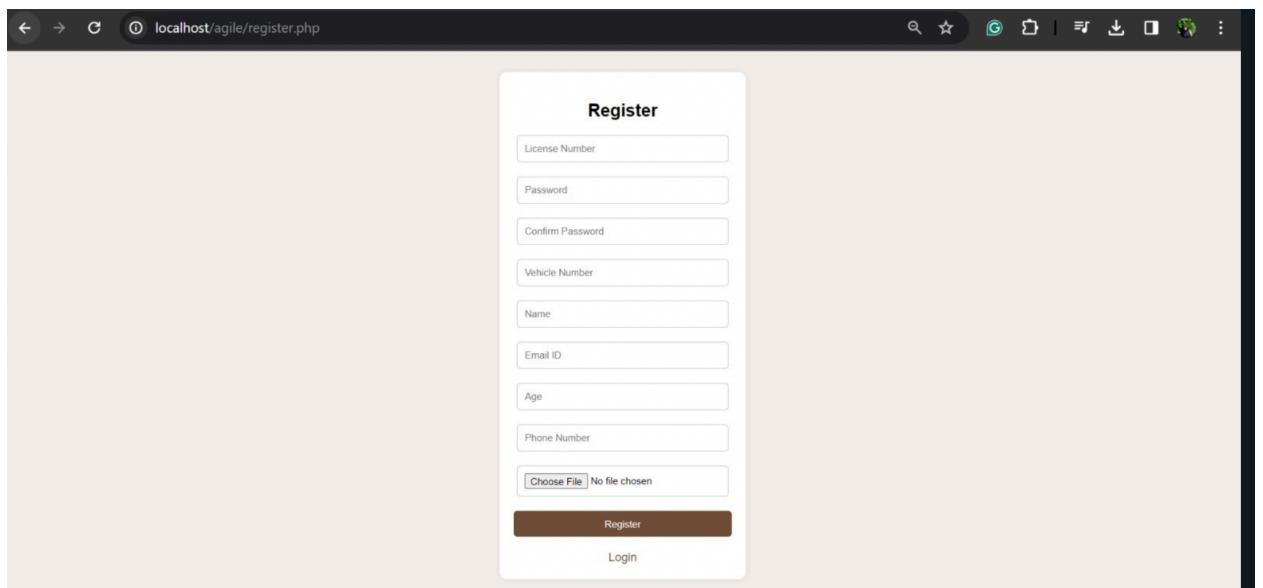
ARTIFACT : 02

PRODUCT INCREMENT

Selection Page



Registration Page for Driver:



Login For Driver

The screenshot shows a web browser window with the URL `localhost/agile/login.php` in the address bar. The page title is "Login". The form contains two input fields: "License Number" and "Password", followed by a "Login" button. Below the button are links for "Register" and "Forgot Password".

Input Type	Label	Value
Text	License Number	
Text	Password	
Text	Link	Register
Text	Link	Forgot Password

Forgot Password

The screenshot shows a web browser window with the URL `localhost/agile/forgot_password.php` in the address bar. The page title is "Forgot Password". The form contains one input field for "Email ID" and a "Send OTP" button.

Input Type	Label	Value
Text	Email ID	
Text	Link	Send OTP

Home Page for Driver:

The screenshot shows a web browser window with the URL `localhost/agile/home.php`. The page title is "Traffic Violations and their Fine Amounts". At the top right, there is a navigation bar with links for Home, Fines, Payments, History, and Account. Below the title, there is a table titled "Traffic Violations & Fines" with the following data:

Types of Offence	Traffic Fine/Penalty/Challan
Drunk driving	₹10,000 and/or 6 months in prison; ₹15,000 and/or 2 years in prison for repetition
Overloading pillion riders	₹2,000, disqualification of license, and/or community service for three months
Over speeding	₹1,000 for LMV ₹2,000 for MMV
Dangerous driving	First Offense: ₹1,000 to ₹5,000, driving license seizure, and/or 6 months to 1 year in prison Second Offense: ₹10,000, driving license seizure, and up to 2 years in prison
Driving without driving license	₹5,000
Driving without insurance	₹2,000 and/or 3 months in prison, community service; ₹4,000 for repetition of violation
Signal jumping	₹1,000 to ₹5,000, license seizure, and/or 6 months to 1 year in prison
Riding without helmet	₹1,000 plus license scrapping for three months
Riding without permit	Up to ₹10,000 and/or up to 6 months imprisonment

At the bottom of the page, there is a copyright notice: "Copyright 2024 - e-Challan, Government Of India".

The screenshot shows a web browser window with the URL `localhost/agile/home.php`. The page title is "Traffic Violations and their Fine Amounts". At the top right, there is a navigation bar with links for Home, Fines, Payments, History, and Account. Below the title, there is a table with the following data:

Purposely disobeying lawful directions	₹500
Driving under influence	₹10,000
Using mobile phone while driving	Up to ₹1,000
Leaving vehicle with engine ON unattended	₹100
Leaving vehicle in dangerous position	₹100
Accident involving a minor	₹1,000
Playing music while driving	₹100
Driving without fixed silencer	₹100
Driving when unfit (mentally/physically)	Court Challan
Offences Related to Towing of Automobiles	
Two-wheeler towing	₹100
Car/Jeep/Cab/Auto Rickshaw towing	₹200
Truck/Tanker/Trailer towing	₹600
Offences Related to Pollution	
Smoking in public transport	₹100

At the bottom of the page, there is a copyright notice: "Copyright 2024 - e-Challan, Government Of India".

Database For Driver:

The screenshot shows the phpMyAdmin interface for the 'e_challan' database. The 'driver' table is selected. The 'Structure' tab is active, displaying the following table structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	name	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
2	email_id	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
3	license_number	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
4	vehicle_number	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
5	phone_number	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
6	age	int(5)			No	None			Change Drop More
7	pass	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
8	pdfFile	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

Below the table structure, there is a section for adding columns:

Add 1 column(s) after pdfFile [Go](#)

Indexes:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	license_number	1	A	No	

Sprint Completion Date: 12/03/2024

Sprint Review Date: 12/03/2024

Sprint Retrospective Date: 12/03/2024

SPRINT REVIEW

Demonstration of Completed User Stories:

- Each completed user story was demonstrated to stakeholders. This included showcasing the implemented features and functionalities related to each user story.

Feedback from Stakeholders:

- The password in the SQL table must be encrypted.

Discussion on Sprint Goal Achievement:

- All sprint goals have been achieved , and the sprint was completed on time

Discussion on Sprint Performance:

- Team faced a few problems:
 - Unable to connect to XAMPP server.
 - Traversing thru database for login verification.
- Successes achieved:
 - All sprint goals were met.
 - Team worked in harmony.
 - Sprint was completed on time.
- Opportunities for improvement
 - Encryption of password in database

Product Backlog Refinement:

- Product backlog was updated, and stakeholders inputs we added

Burn down chart creation:

- Burn down chart was created upon sprint completion

ARTIFACT : 03

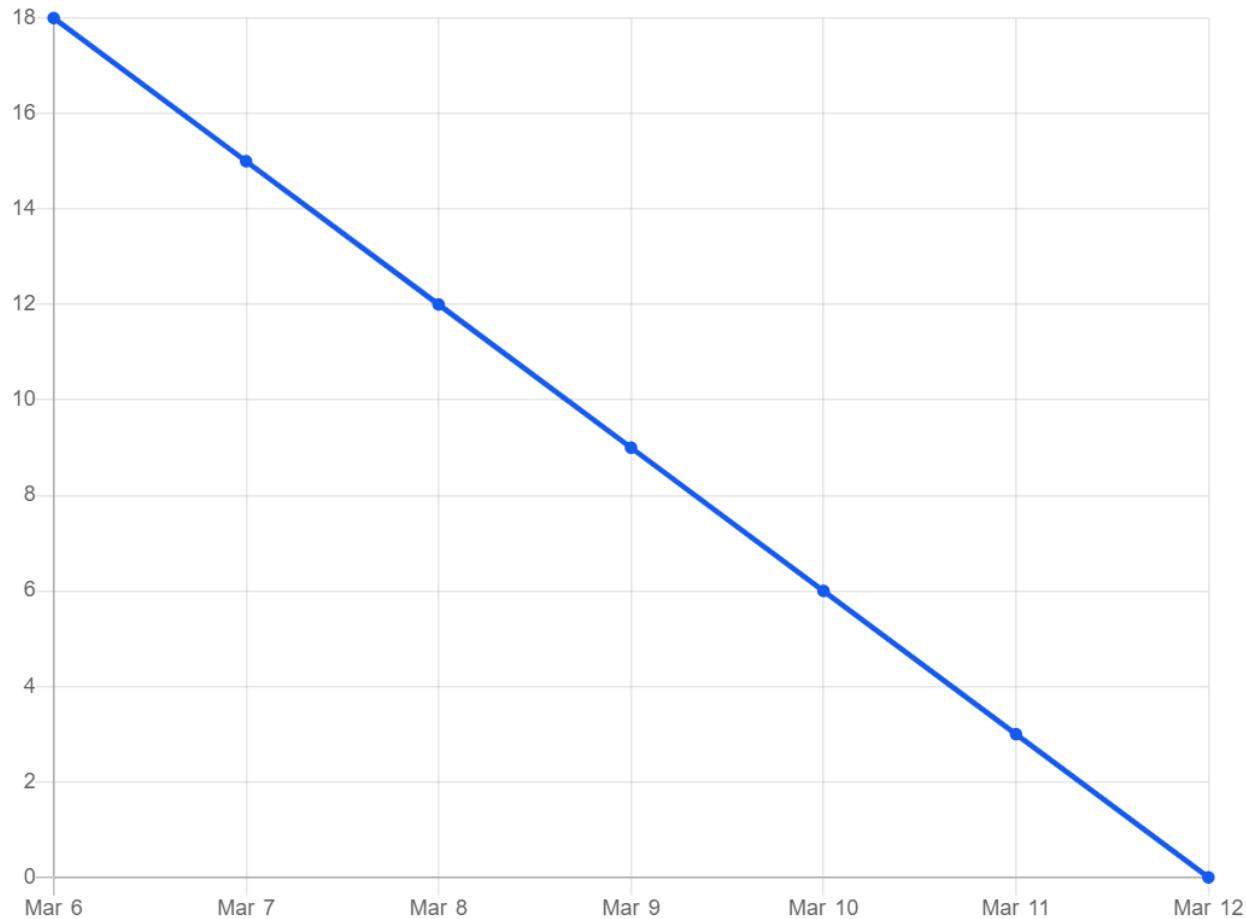
PRODUCT BACKLOG:

- As a Police Officer, I want to be directed to the “registration page” upon clicking “Police”.
- As a Police Officer, I want to be directed to the login page after I have registered, so that I can log in to the portal.
- As a Police Officer, I want to receive an error message upon entering incorrect login credentials, so that i can log in correctly.
- As a Police Officer, I want to receive an error message upon entering incorrect register credentials, so that I can be registered successfully.
- As a Police Officer, I want to be directed to the home page, so that I can do various functions.
- As a Police Officer, I want to have all buttons of navbar, so that I can easily navigate.
- As a Police Officer, I want a “Generate Fines” Button so that I can generate fines.
- As a Police Officer, I want a “Receipt” button where I can view all receipts, so that I have proof of payment.
- As a Police Officer, I want a “License Card” Button where I can view all the license cards, so that I can keep track.
- As a Police Officer, I want an “Account” button so that I can view my account details.
- As a Police Officer, I want an “Account icon” button so that I can view my account details and change them.
- As a Police Officer, I want an “Home” Button so that I can easily reach the home page.

- As a Police Officer, I want to be directed to the home page upon clicking the “icon” on the top left, so that I can reach the home page.
- As a Driver, I want to view a list of all past challans issued to me in the Fine option so that I can keep track of any pending fines.
- As a Driver, I want to be able to view Pay fines related options in the Pay Fines option.
- As a Driver, I want to be able to view all my pending challans so that I can keep track of my fines.
- As a Driver, I want to be able to access view receipts so that I can see all the receipts of the total number of challans issued in my name.
- As a Driver, I want to view a list of all past challans issued to me in the history option so that I can keep track of any pending fines.
- As a Driver,I want to get redirected to my Accounts page when I click on Accounts.
- As a driver, I want to be able to be notified of any fines, so that I can pay them accordingly.
- As a police officer, I want to generate fine slips, so that I can keep a record.
- As a police officer, I want to send fine slips, so that they are made available to the driver.
- As a police officer, I want to set overall time limits for paying fines, so that penalty slips can be generated.
- As a driver, I want to be notified of any penalty slips generated, so that I can pay them accordingly.
- As a driver, I want a secure payment gateway integrated into the system so that I can ensure the safety of my payment transactions.
- As a driver, I want to download receipts of payments so that they can be recorded.
- As a driver, I want to send a query about my violation, so that I am not wrongly charged.

- As a police officer, I want to receive notifications of complaints, so that I can respond to them as soon as possible.
- As a police officer, I want to reply to the query so that the user can get notified about any changes.
- As a police officer, I want to be able to update slips so that the user can get the updated slips.
- As a driver, I want to receive notifications for updated slips so that I can pay them accordingly.

BURNDOWN CHART:



Screenshots (JIRA)

Projects / E_challan

Backlog

	STORY-18 As a driver, I want to be directed to the home page upon clicking the "icon" on the top left, so that ...	TO DO ▾
	STORY-19 As a Police Officer, I want to be directed to the "registration page" upon clicking "Police".	TO DO ▾
	STORY-20 As a Police Officer, I want to be directed to the login page after I have registered, so that I can log i...	TO DO ▾
	STORY-21 As a Police Officer, I want to receive an error message upon entering incorrect login credentials, so ...	TO DO ▾
	STORY-22 As a Police Officer, I want to receive an error message upon entering incorrect register credentials, s...	TO DO ▾
	STORY-23 As a Police Officer, I want to be directed to the home page, so that I can do various functions.	TO DO ▾
	STORY-24 As a Police Officer, I want to have all buttons of navbar, so that I can easily navigate.	TO DO ▾

Projects / E_challan

Backlog

	STORY-24 As a Police Officer, I want to have all buttons of navbar, so that I can easily navigate.	TO DO ▾
	STORY-25 As a Police Officer, I want a "Generate Fines" Button so that I can generate fines.	TO DO ▾
	STORY-26 As a Police Officer, I want a "Receipt" button where I can view all receipts, so that I have proof of pa...	TO DO ▾
	STORY-27 As a Police Officer, I want a "License Card" Button where I can view all the license cards, so that I ca...	TO DO ▾
	STORY-28 As a Police Officer, I want an "Account" button so that I can view my account details.	TO DO ▾
	STORY-29 As a Police Officer, I want an "Account icon" button so that I can view my account details and chang...	TO DO ▾
	STORY-30 As a Police Officer, I want an "Home" Button so that I can easily reach the home page.	TO DO ▾
	STORY-31 As a Police Officer, I want to be directed to the home page upon clicking the "icon" on the top left, ...	TO DO ▾

SPRINT RETROSPECTIVE MEETING

Purpose

- To reflect on the past sprint and identify areas for improvement.

Review the Sprint

- Together, we review the outcomes of the previous sprint, discussing completed user stories, challenges faced, and the overall achievement of our sprint goal.

Identify What Went Well

- We discuss and acknowledge the aspects of the sprint that went well, celebrating our successes and recognizing effective collaboration or implementations.

Identify What Didn't Go Well

- We openly discuss any challenges or obstacles encountered during the sprint, such as communication issues, technical difficulties, or dependencies that impacted our progress.

Generate Insights

- We reflect on the root causes of the challenges and share insights gained from our sprint experience, analyzing patterns in the issues we faced.

Generate Improvement Actions

- Together, we brainstorm actionable improvement items aimed at addressing the identified challenges and enhancing our team's performance in future sprints.

Prioritize Improvement Actions:

- We prioritize the improvement actions based on their perceived impact and feasibility, using techniques like dot voting to identify the most important actions.

Assign Responsibility

- We assign responsibility for implementing each improvement action to specific team members, ensuring accountability and ownership for driving the improvements forward.

Document the Retrospective

- I document the outcomes of our retrospective meeting, including the identified improvement actions and their assigned responsibilities, to serve as a reference for tracking progress.

Close the Meeting:

- We conclude the retrospective meeting with a recap of our key takeaways and a commitment to continuous improvement. I also solicit feedback on the retrospective process itself to ensure its effectiveness.

