

Practical 5

Sprint-3

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-3.

DETAILS:

Start Date: 20/03/2024

End Date: 26/03/2024

Duration: 1 Week

Daily Scrum Time: 15mins

Total User Stories: 06

Sprint Goal:

- Fine Slip Generation
- View all fines

Scrum Roles:

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

ARTIFACT : 01

SPRINT BACKLOG:

1. As a police officer, I want to generate fine slips, so that I can efficiently document and communicate the details of their offense and the associated penalties.
2. As a police officer, I want to send fine slips, so that they can pay fine accordingly.
3. As a police officer, I want to receive fine slips, so that I can pay accordingly.
4. As a police officer, I want a list of all fines, so that I can keep track of fines that I have generated.
5. As a police officer, I want to be able to open each fine in the list, so that I can get full details of each.
6. As a police officer, I want to be able to download details of each fine, so that I can keep track.




SCREENSHOTS:






JIRA:















1. Sprint Backlog:

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Backlog

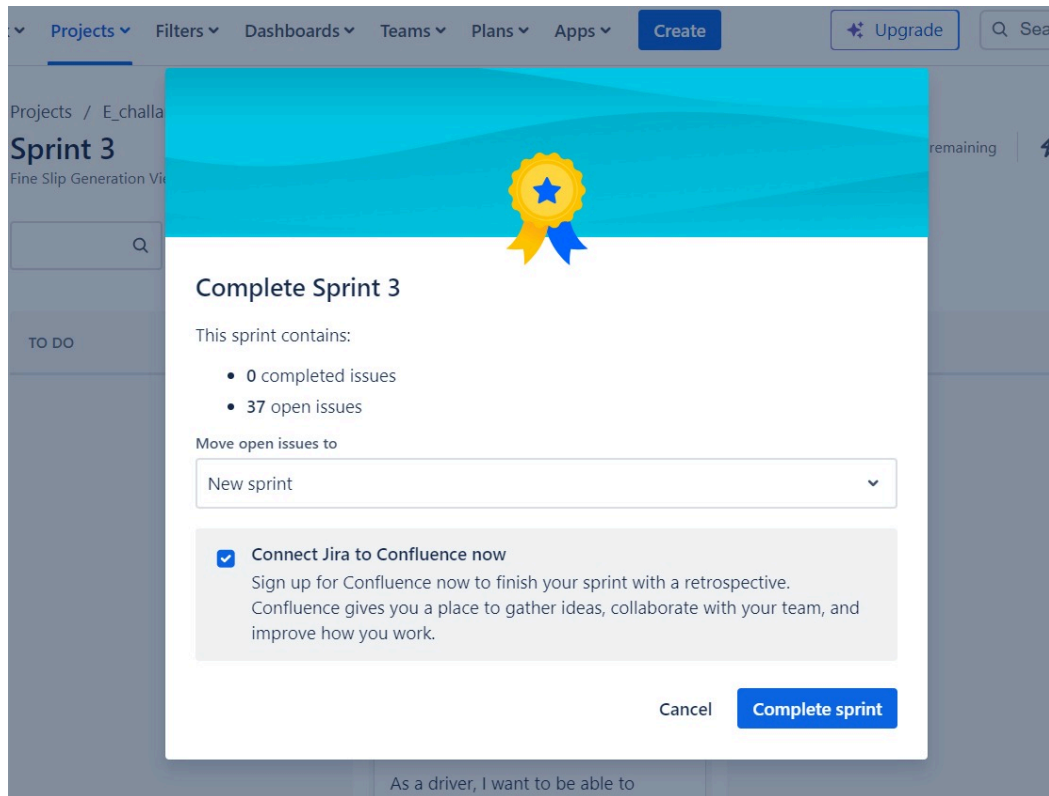
   Epic ▾

 STORY-32 As a police officer, I want to generate fine slips, so that I can efficiently document a...	TO DO ▾	- 
 STORY-33 As a police officer, I want to send fine slips, so that they can pay fine accordingly.	TO DO ▾	- 
 STORY-34 As a driver, I want to receive fine slips, so that I can pay accordingly.	TO DO ▾	- 
 STORY-35 As a driver, I want a list of all fines, so that I can keep track of my traffic violations a...	TO DO ▾	- 
 STORY-36 As a driver, I want to be able to open each fine in the list, so that I can get full detail...	TO DO ▾	- 
 STORY-37 As a driver, I want to be able to download details of each fine, so that I can keep tra...	TO DO ▾	- 
 STORY-38 As a Police Officer, I want a "Home" Button so that I can easily reach the home page.	DONE ▾	- 

+ Create issue

2. Sprint Completion:



The screenshot shows the Jira 'Complete Sprint' dialog box. The dialog has a blue header with a yellow star icon. The main content area is white and contains the following elements:

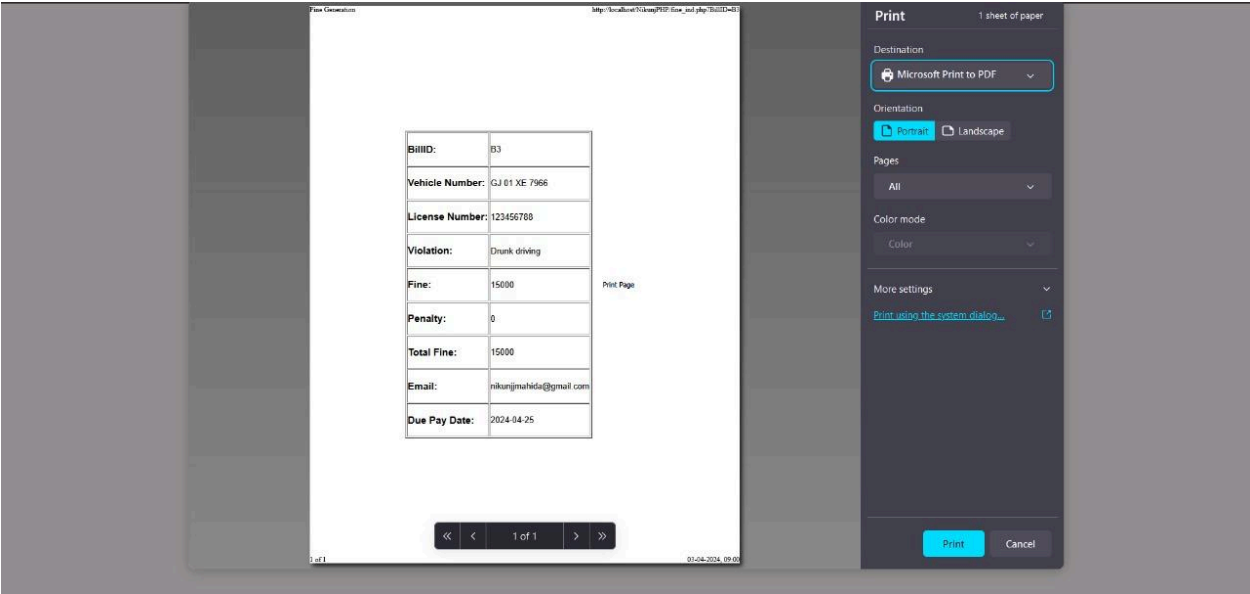
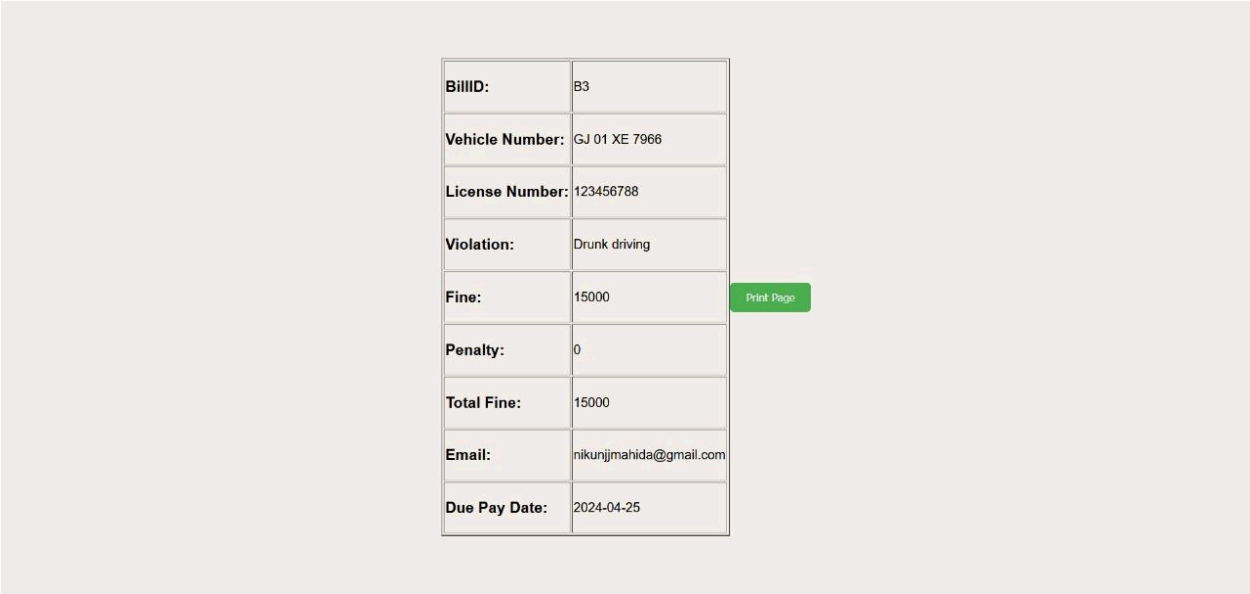
- Complete Sprint 3**: The title of the dialog.
- This sprint contains:**: A section listing the status of issues.
 - 0 completed issues
 - 37 open issues
- Move open issues to**: A dropdown menu with 'New sprint' selected.
- Connect Jira to Confluence now**: A checkbox that is checked, followed by a description: 'Sign up for Confluence now to finish your sprint with a retrospective. Confluence gives you a place to gather ideas, collaborate with your team, and improve how you work.'
- Buttons**: 'Cancel' and 'Complete sprint' buttons at the bottom right.

The background of the Jira interface is visible, showing the 'Sprint 3' header and a 'TO DO' section.


ARTIFACT : 02

PRODUCT INCREMENT

Fine Slip Generation page:



View all fines page for Police:




HomeFinesPaymentsHistoryAccount

Fine Generation

Select Violation

Select Offense

Generate



HomeFinesPaymentsHistoryAccount

BillID	Vehicle No.	License No.	Violation	Total Fine	Email	Due Date
B2	GJ 01 XE 7968	123456789	Drunk driving	15000	nikunjmahida@gmail.com	2024-04-25
B3	GJ 01 XE 7968	123456788	Drunk driving	15000	nikunjmahida@gmail.com	2024-04-25
B4	GJ 01 XE 7966	123456788	Signal jumping	0	nikunjmahida@gmail.com	2024-04-25
B5	GJ 01 XE 7966	123456788	Driving after disqualification	10000	prishashah@disqualified.com	2024-04-26

Sprint Completion Date: 26/03/2024
Sprint Review Date: 26/03/2024
Sprint Retrospective Date: 26/03/2024

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 the XAMPP server.
 - Traversing the 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

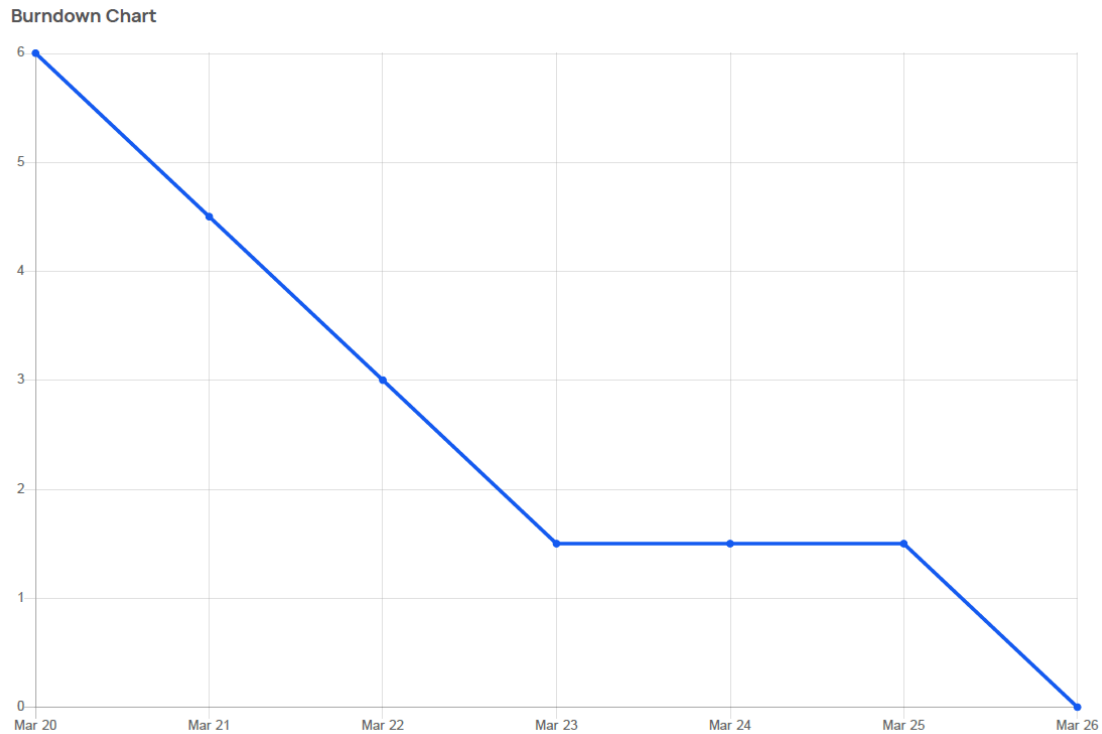
ARTIFACT : 03

PRODUCT BACKLOG:

1. As a Police Officer, I want to be directed to the “registration page” upon clicking “Police”.
2. 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.
3. As a Police Officer, I want to receive an error message upon entering incorrect login credentials, so that i can log in correctly.
4. As a Police Officer, I want to receive an error message upon entering incorrect register credentials, so that I can be registered successfully.
5. As a Police Officer, I want to be directed to the home page, so that I can do various functions.
6. As a Police Officer, I want to have all buttons on the navigation bar, so that I can easily navigate.
7. As a Police Officer, I want a “Generate Fines” Button so that I can generate fines.
8. As a Police Officer, I want a “Receipt” button where I can view all receipts, so that I have proof of payment.
9. As a Police Officer, I want a “License Card” Button where I can view all the license cards, so that I can keep track.
10. As a Police Officer, I want an “Account” button so that I can view my account details.
11. As a Police Officer, I want an “Account icon” button so that I can view my account details and change them.
12. As a Police Officer, I want an “Home” Button so that I can easily reach the home page.
13. 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.
14. 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.
15. As a Driver, I want to be able to view Pay fines related options in the Pay Fines option.
16. As a Driver, I want to be able to view all my pending challans so that I can keep track of my fines.

17. 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.
18. 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.
19. As a Driver, I want to get redirected to my Accounts page when I click on Accounts.
20. As a driver, I want to be able to be notified of any fines, so that I can pay them accordingly.
21. As a police officer, I want to generate fine slips, so that I can keep a record.
22. As a police officer, I want to send fine slips, so that they are made available to the driver.
23. As a police officer, I want to set overall time limits for paying fines, so that penalty slips can be generated.
24. As a driver, I want to be notified of any penalty slips generated, so that I can pay them accordingly.
25. As a driver, I want a secure payment gateway integrated into the system so that I can ensure the safety of my payment transactions.
26. As a driver, I want to download receipts of payments so that they can be recorded.
27. As a driver, I want to send a query about my violation, so that I am not wrongly charged.
28. As a police officer, I want to receive notifications of complaints, so that I can respond to them as soon as possible.
29. As a police officer, I want to reply to the query so that the user can get notified about any changes.
30. As a police officer, I want to be able to update slips so that the user can get the updated slips.
31. As a driver, I want to receive notifications for updated slips so that I can pay them accordingly.

BURNDOWN CHART:



Screenshots (JIRA)

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Backlog

Search: NP Epic ▾

☐ STORY Sprint 1 (18 issues) 0 Start sprint

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 ▾	

SPRINT RETROSPECTIVE MEETING

Purpose

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

Review the Sprint

- Together, we reviewed 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 discussed and acknowledged 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 discussed any challenges or obstacles encountered during the sprint, such as communication issues, technical difficulties, or dependencies that impacted our progress.

Generate Insights

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

Generate Improvement Actions

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

Prioritize Improvement Actions:

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

Assign Responsibility

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

Document the Retrospective

- I documented 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 concluded 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.