

Practical 5

Sprint-2

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-2.

DETAILS:

Start Date: 13/03/2024

End Date: 19/03/2024

Duration: 1 Week

Daily Scrum Time: 15mins

Total User Stories: 13

Sprint Goal:

- Registration page for police
- Login page for police
- Home page for police

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 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.

SCREENSHOTS:

JIRA:

1. Sprint Backlog:

Projects / E_challan

Backlog

NP

Epic ▾

Insights

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 in to the portal.	TO DO ▾
STORY-21 As a Police Officer, I want to receive an error message upon entering incorrect login credentials, so that I can log in correctly.	TO DO ▾
STORY-22 As a Police Officer, I want to receive an error message upon entering incorrect register credentials, so that I can be registered successfully.	TO DO ▾
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STORY-31 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.	TO DO ▾

+ Create issue

Projects / E_challan

Backlog

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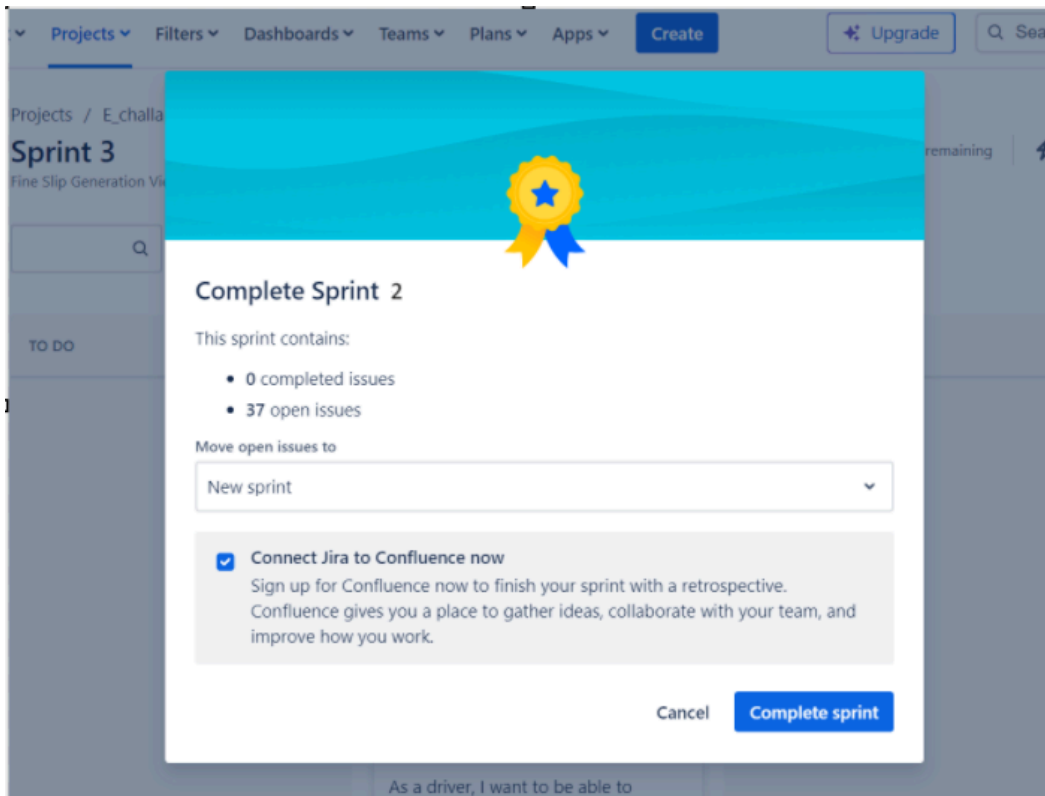
Epic ▾

Insights

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

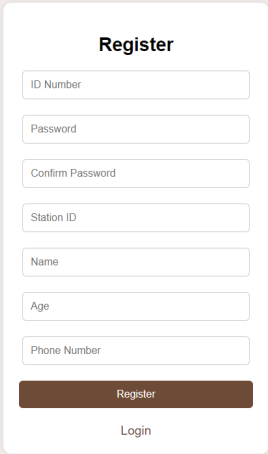
2. Sprint Completion:



ARTIFACT : 02

PRODUCT INCREMENT

Registration Page for Police:



A registration form titled "Register" is centered on a light pink background. The form is a white rounded rectangle containing several input fields and two buttons. The input fields are labeled "ID Number", "Password", "Confirm Password", "Station ID", "Name", "Age", and "Phone Number". Below these fields is a dark brown "Register" button, and at the bottom is a "Login" link.

Register

ID Number

Password

Confirm Password

Station ID

Name

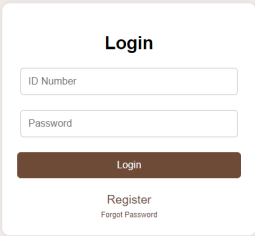
Age

Phone Number

Register

Login

Login For Police



A login form titled "Login" is centered on a light pink background. The form is a white rounded rectangle containing two input fields and three buttons/links. The input fields are labeled "ID Number" and "Password". Below these fields is a dark brown "Login" button. At the bottom are "Register" and "Forgot Password" links.

Login

ID Number

Password

Login

Register

[Forgot Password](#)

Police Home Page



Home

Generate Fine

Receipts

License Cards



Traffic Violations and their Fine Amounts

Types of Offence	Traffic Fine/Penalty/Challan
Traffic Violations & Fines	
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

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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:

- No particular feedback was given.

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:

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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.

Screenshots (JIRA)

Projects / E_challan

Backlog

NP

Epic

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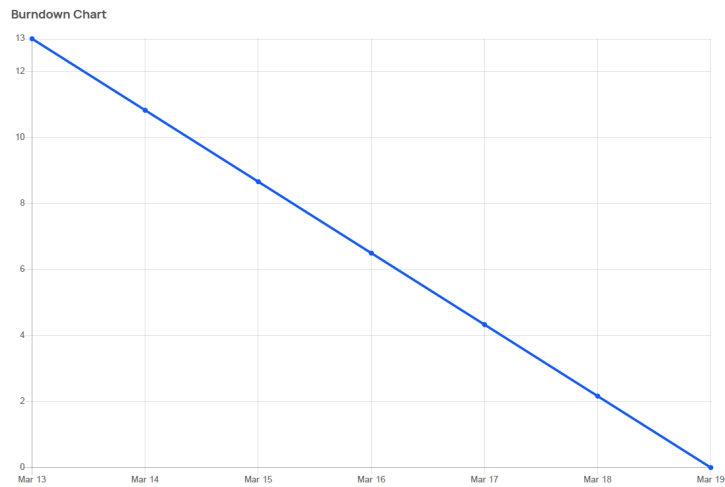
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BURNDOWN CHART:



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.