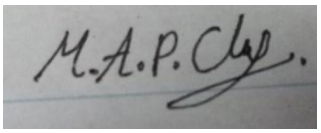
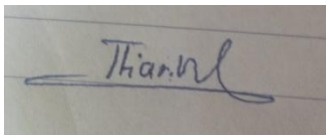
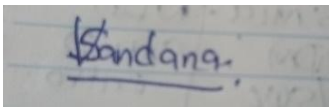
IT Project Management (IT3040)

Assessment on Tools

Group Number	Y3S1-WE-17	
Name	**Registration No**	**Signature**
Chavindee M.A.P	**IT22127778**	
Perera K.T. K	**IT22235688**	
Fernando M.S.V.	**IT22208576**	
Basnayake W.B.M.D. K	**IT22272768**	

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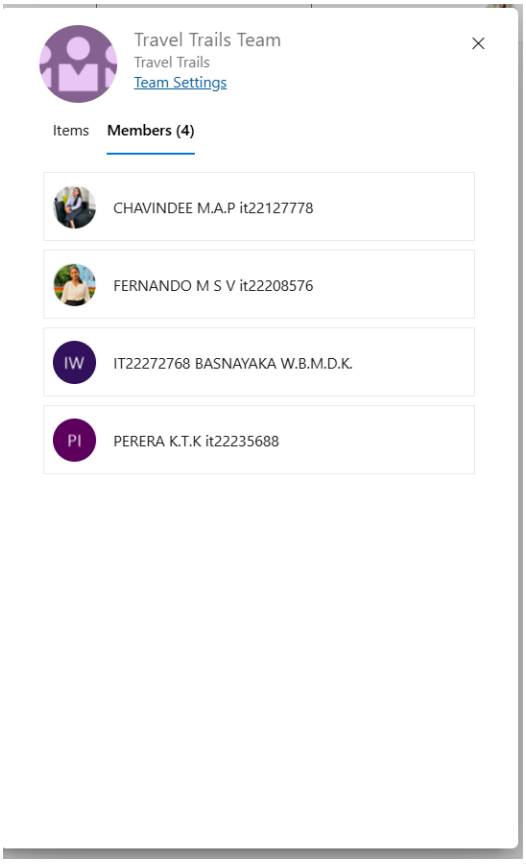
Contribution to the project

Student Reg. No	Responsible Tasks
IT22127778	Package Booking Management enables travel admins to efficiently oversee all tour reservations through a user-friendly dashboard showing traveler details, package info, arrival dates, and contact data. Bookings can be updated or removed with confirmation to avoid errors. The system also generates filterable PDF reports by package type or booking ID, supporting audits and communication. This streamlined process ensures accurate, reliability, and traveler-friendly package handling.
IT22235688	The event management feature empowers event organizers to seamlessly create, update, and manage travel-related events within the Travel Trails web application. As the Event Manager, you can add new events by providing essential details such as event name, description, date, location, and availability. You also have the ability to edit existing events to keep information accurate and up to date or remove events that are no longer active or relevant. On the user side, the application integrates Google Maps to help users easily locate event venues and nearby attractions, enhancing their travel experience and promoting engagement in sustainable tourism activities.
IT22208576	The transport management feature allows tourists to conveniently view and book available vehicles for their travel needs during their hotel stay. Tourists can browse a list of vehicles with key details such as vehicle type, seating capacity, rental price, and availability. The system enables users to search and filter vehicles based on their preferences, ensuring a personalized and efficient booking experience. Additionally, this feature provides hotel staff with the ability to add, update, or remove vehicle listings through an easy-to-use interface, keeping the information accurate and up to date. This seamless integration enhances the overall guest experience by providing reliable and flexible transport options directly through the hotel management system**.**
IT22272768	Guider Management enables admins to efficiently manage all registered guides on the Travel Trails platform. Admins can add, edit, or remove guides, collecting key details like personal info, contact data, experience, languages, and profile photos. Travelers can search and filter guides by location, name, or experience, and contact them directly via WhatsApp, email, or phone. The system also allows admins to generate reports for performance and assignment tracking, promoting transparency and trusted, quality-guided travel**.**

Azure Board

1. Work Items

Name in Azure Board	Student Registration No
CHAVINDEE M.A.P	IT22127778
PERERA K.T.K	IT22235688
FERNANDO M.S.V	IT22208576
BASNAYAKA W.B.M.D.K	IT22272768



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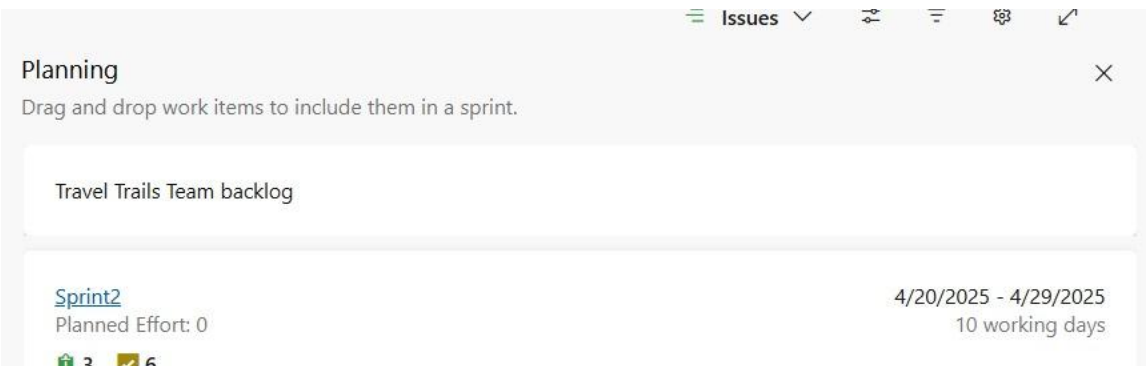

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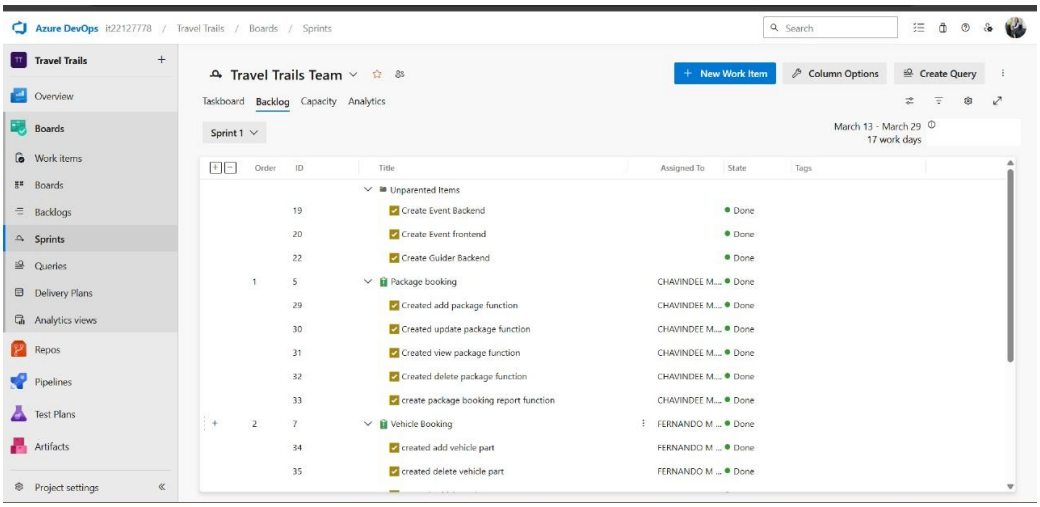

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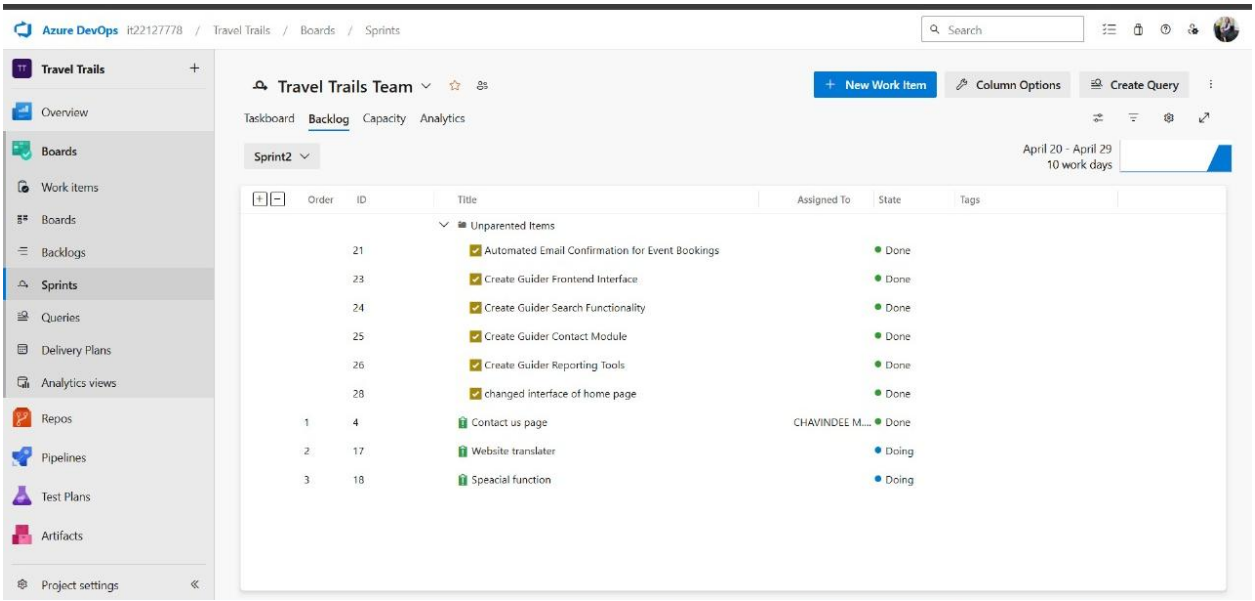

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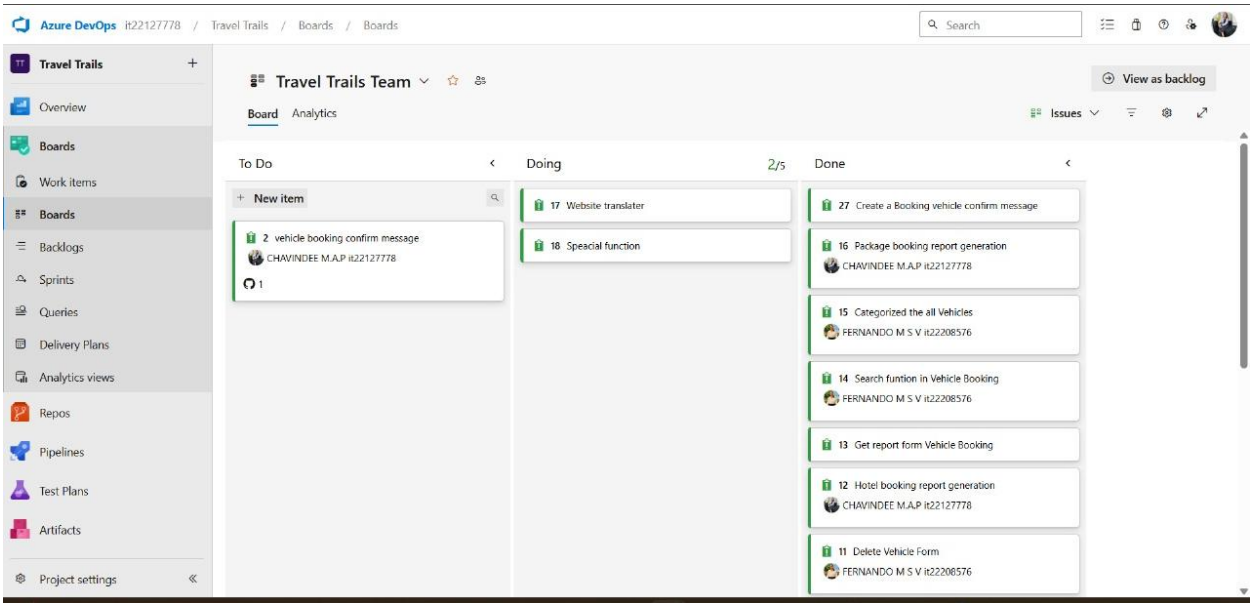
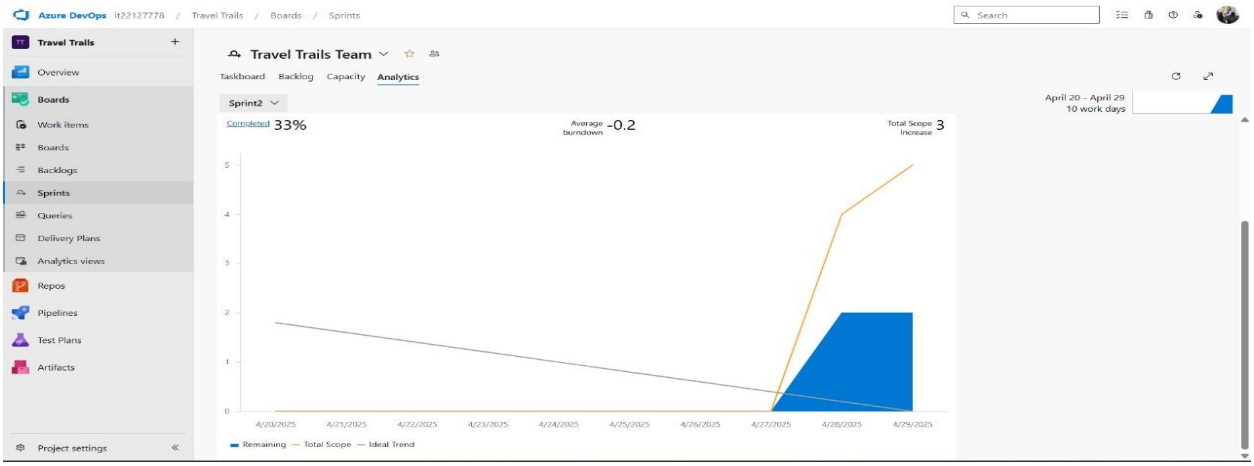
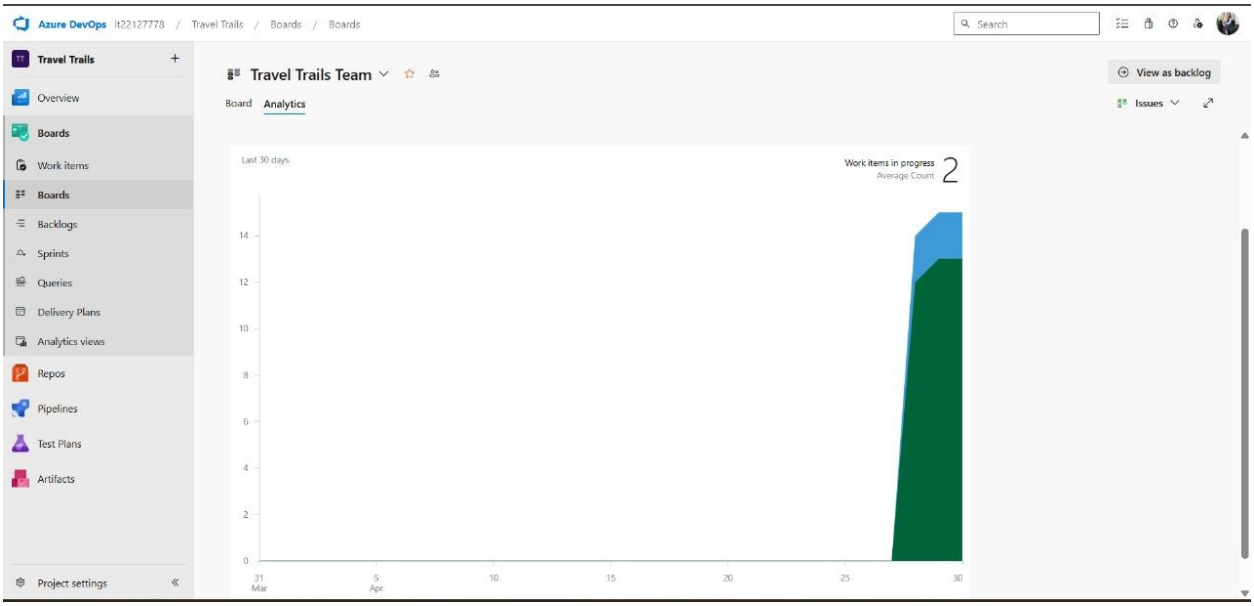


6. Sprint burndown chart



7.Cumulative flow diagram



GitHub

GitHub Link: https://github.com/Pasindya/ITPM-Project-MernStack

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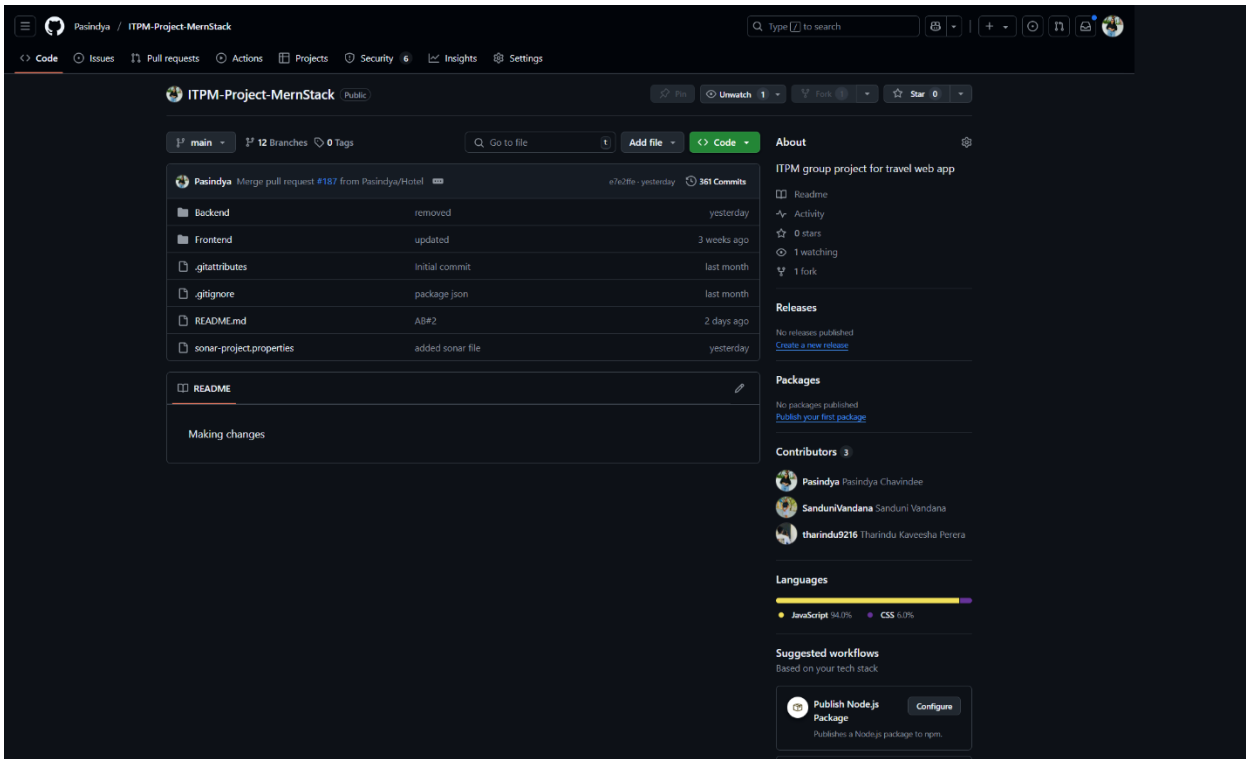

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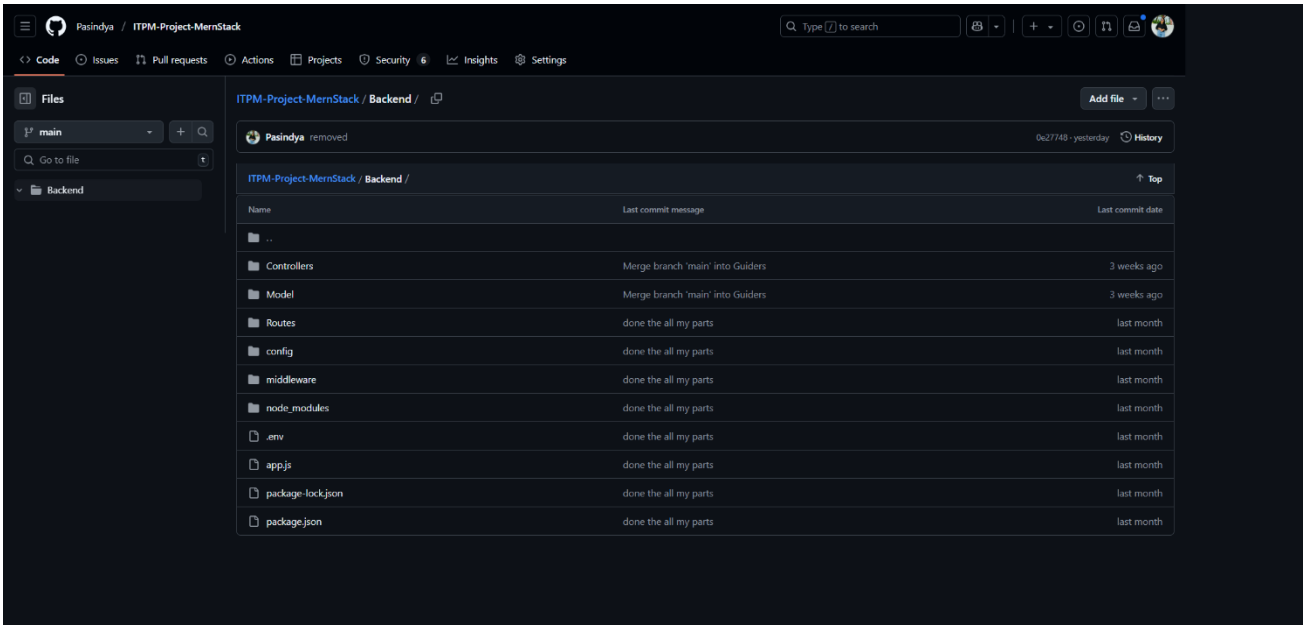

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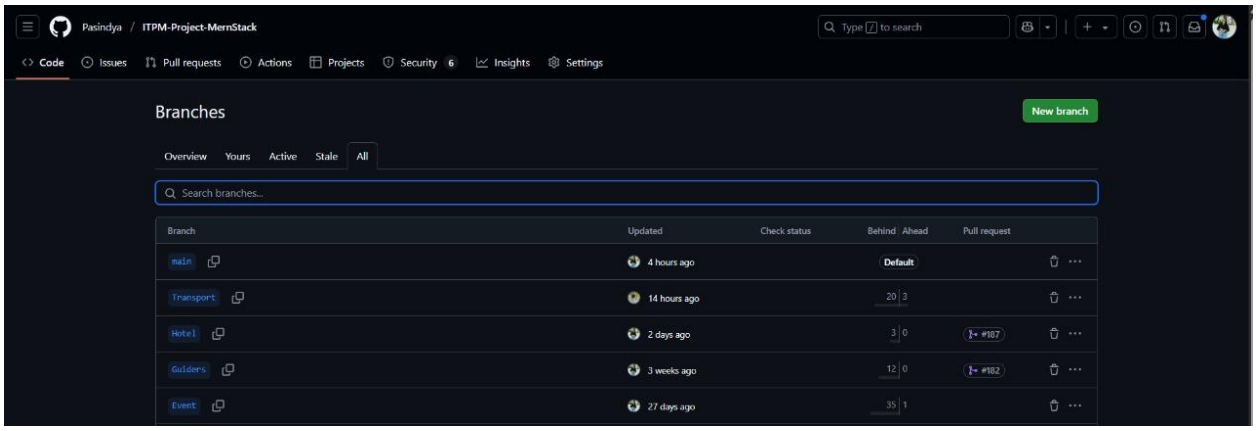
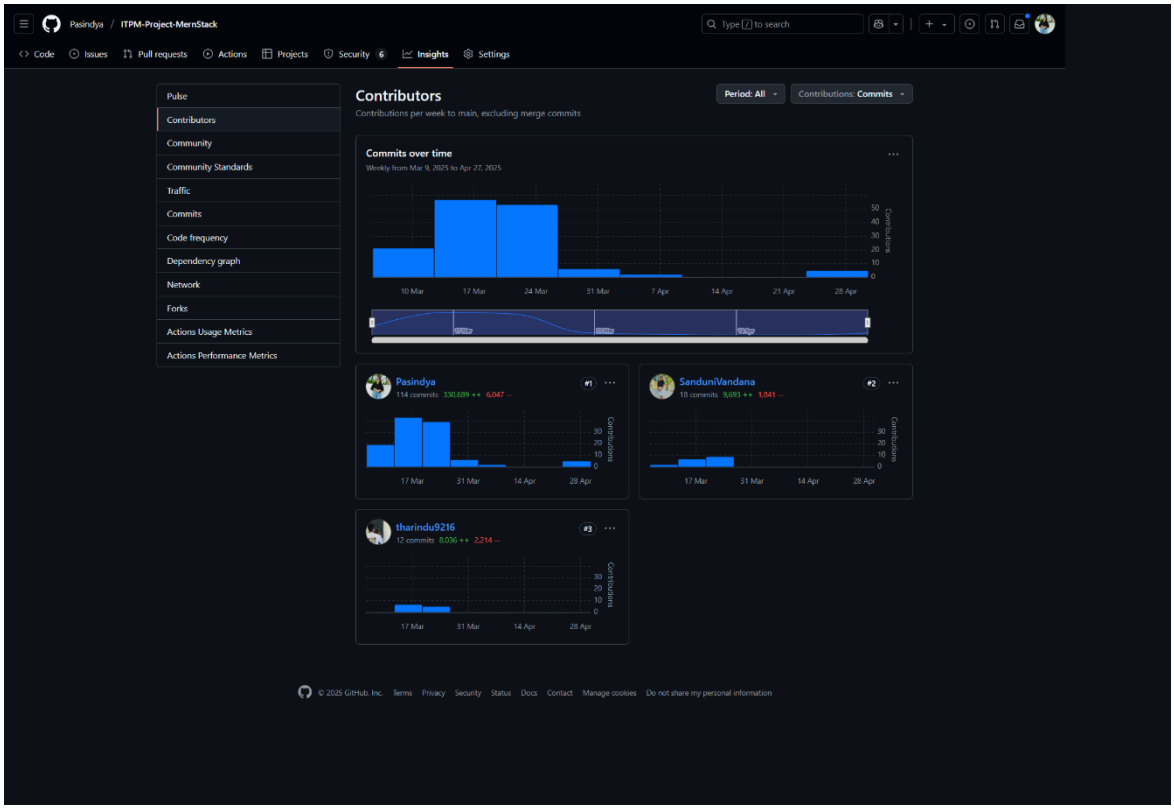


4. Contributors

GitHub Username	Student Registration No
Pasindya Chavindee	IT22127778
SanduniVandana	IT22208576
tharindu9216	IT22235688
Dimuth-Basnayaka	IT22272768



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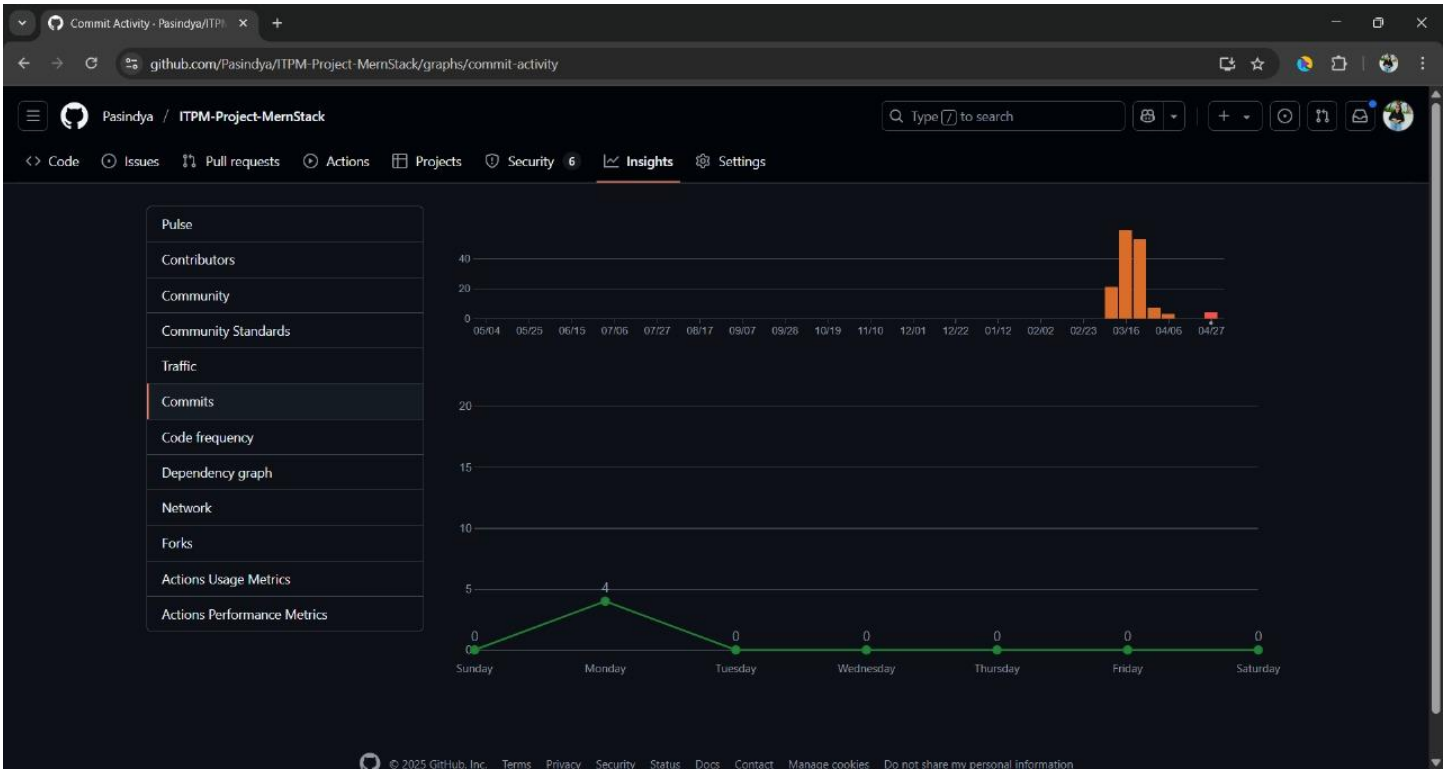

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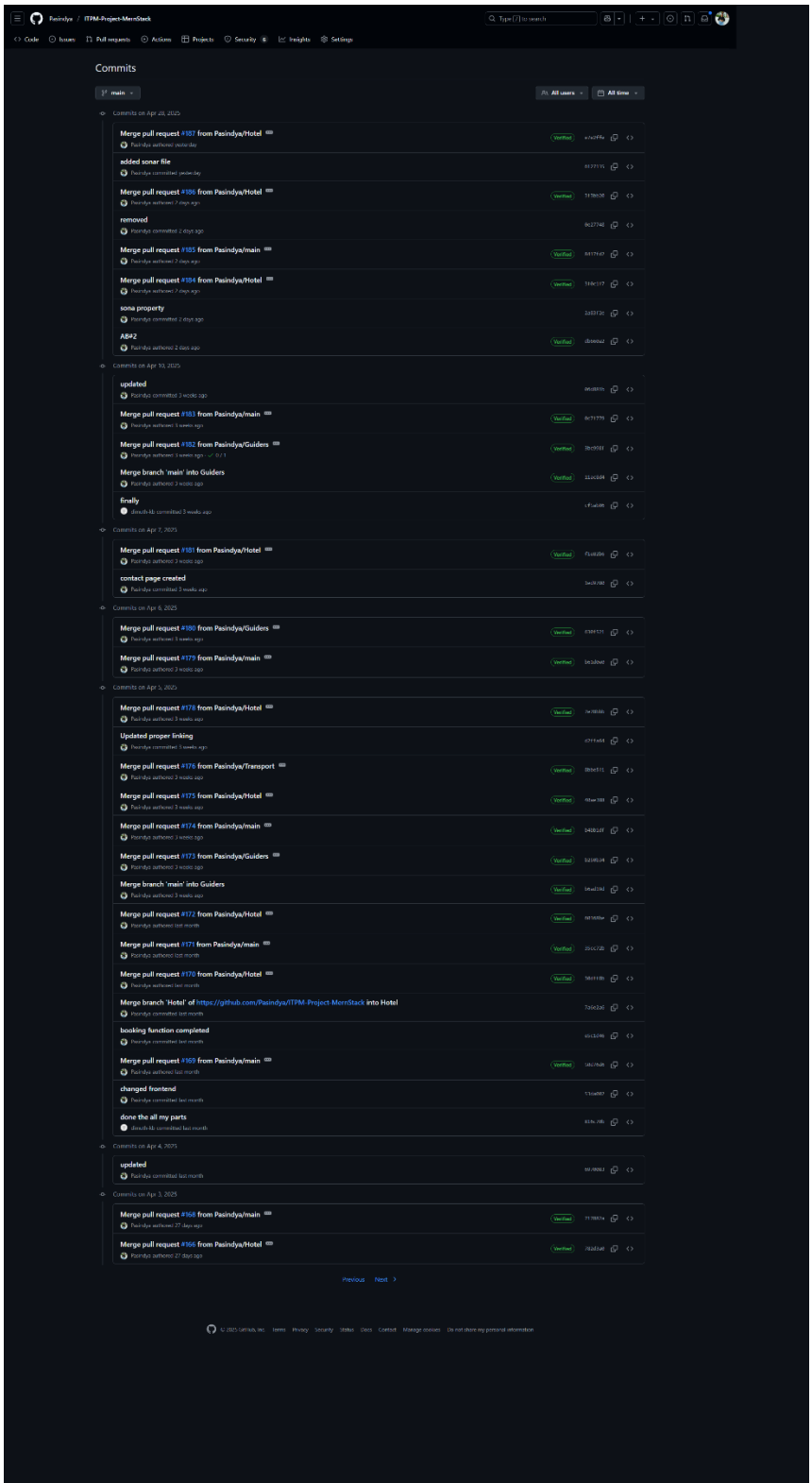

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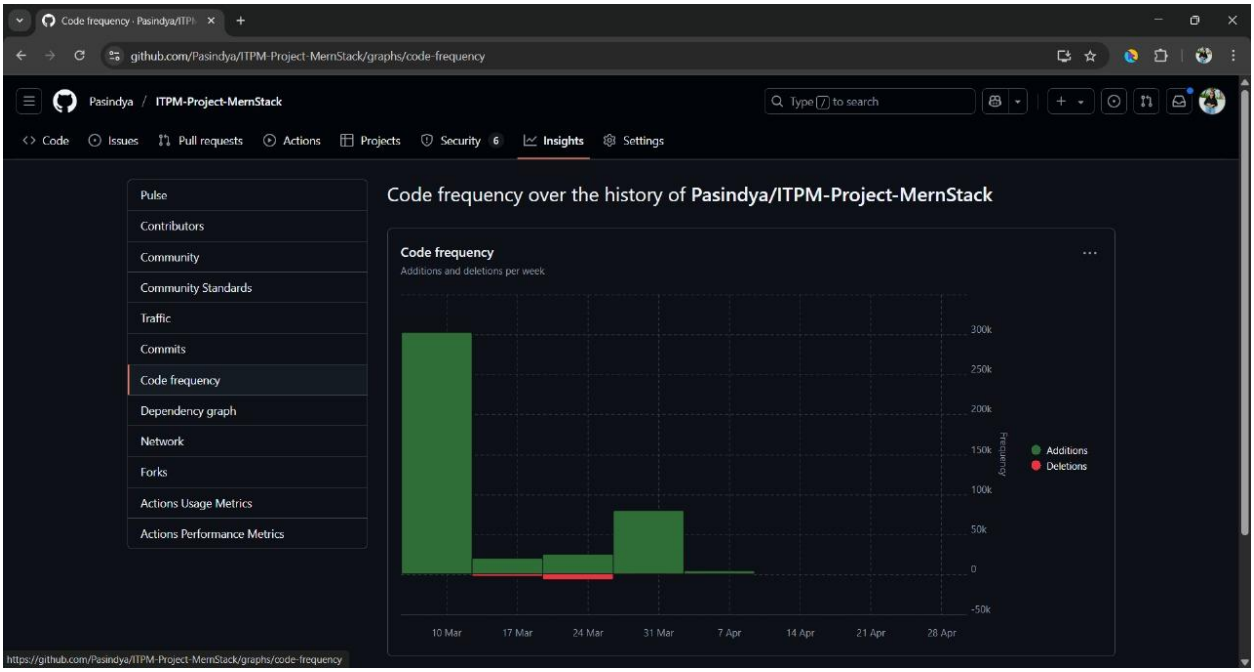

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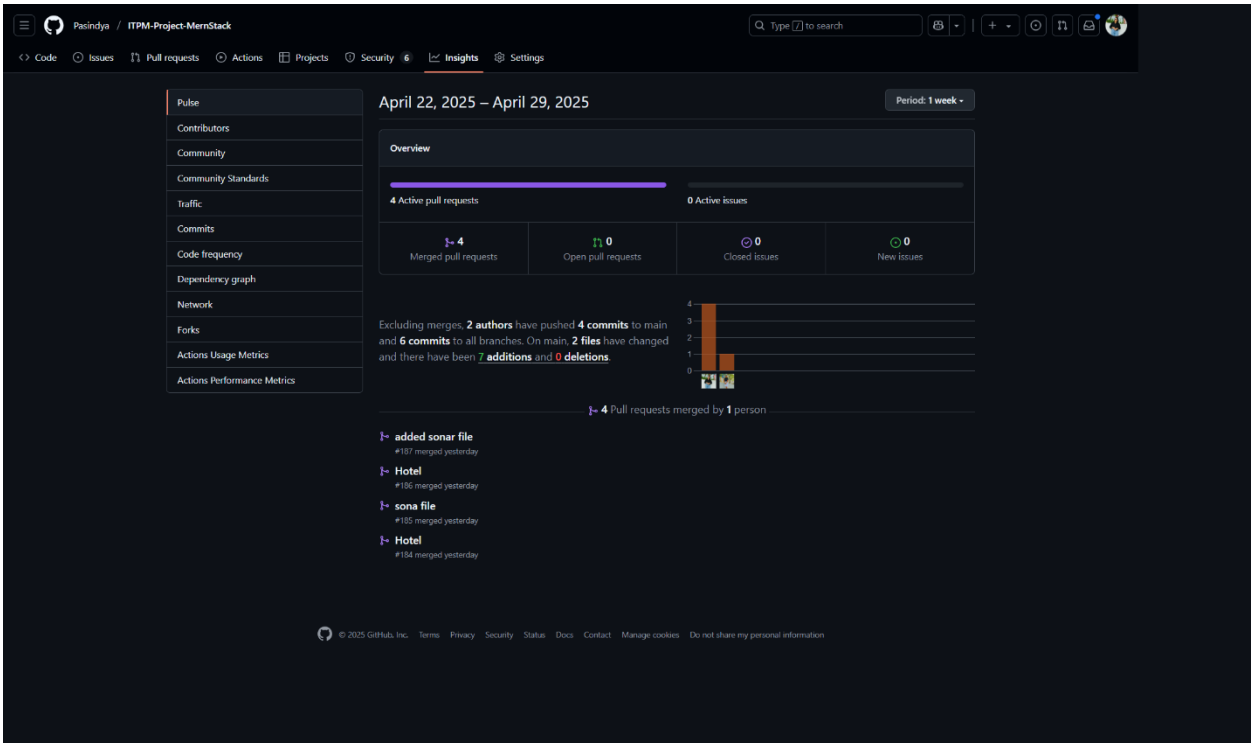

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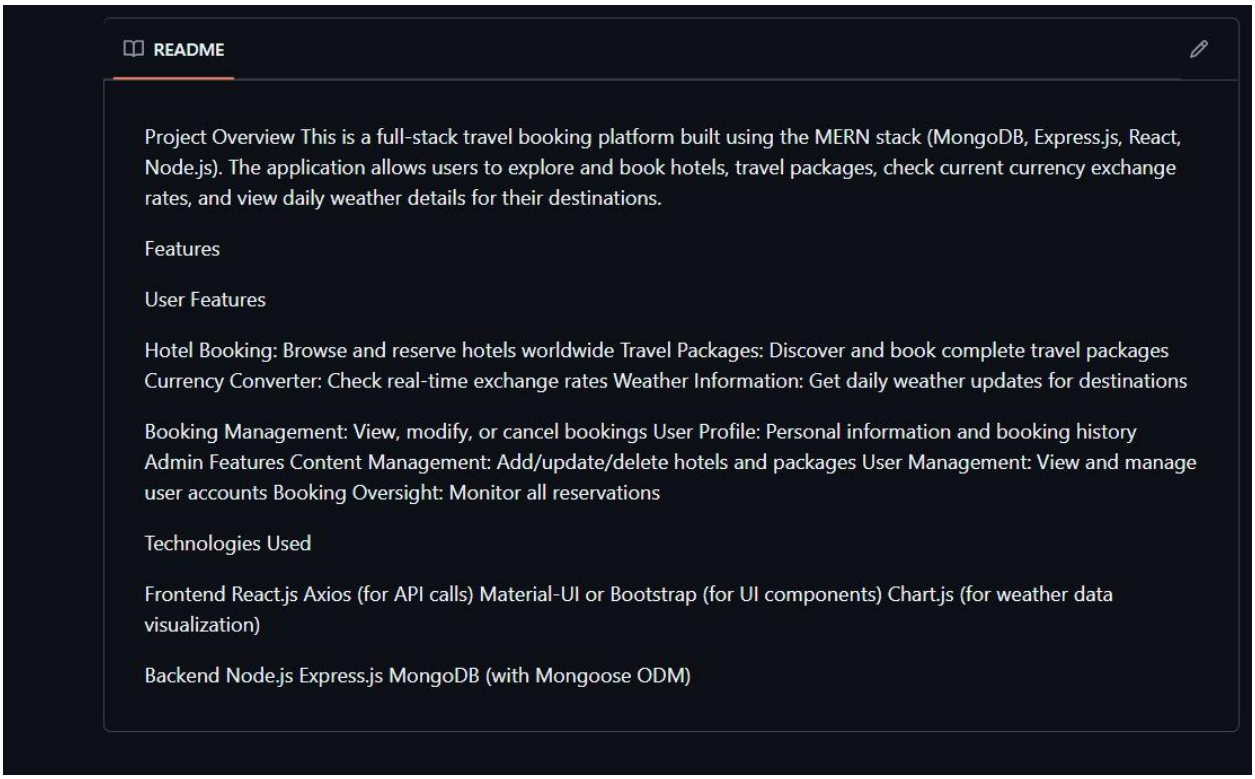


README

Project Overview This is a full-stack travel booking platform built using the MERN stack (MongoDB, Express.js, React, Node.js). The application allows users to explore and book hotels, travel packages, check current currency exchange rates, and view daily weather details for their destinations.

Features

User Features

Hotel Booking: Browse and reserve hotels worldwide Travel Packages: Discover and book complete travel packages Currency Converter: Check real-time exchange rates Weather Information: Get daily weather updates for destinations

Booking Management: View, modify, or cancel bookings User Profile: Personal information and booking history Admin Features Content Management: Add/update/delete hotels and packages User Management: View and manage user accounts Booking Oversight: Monitor all reservations

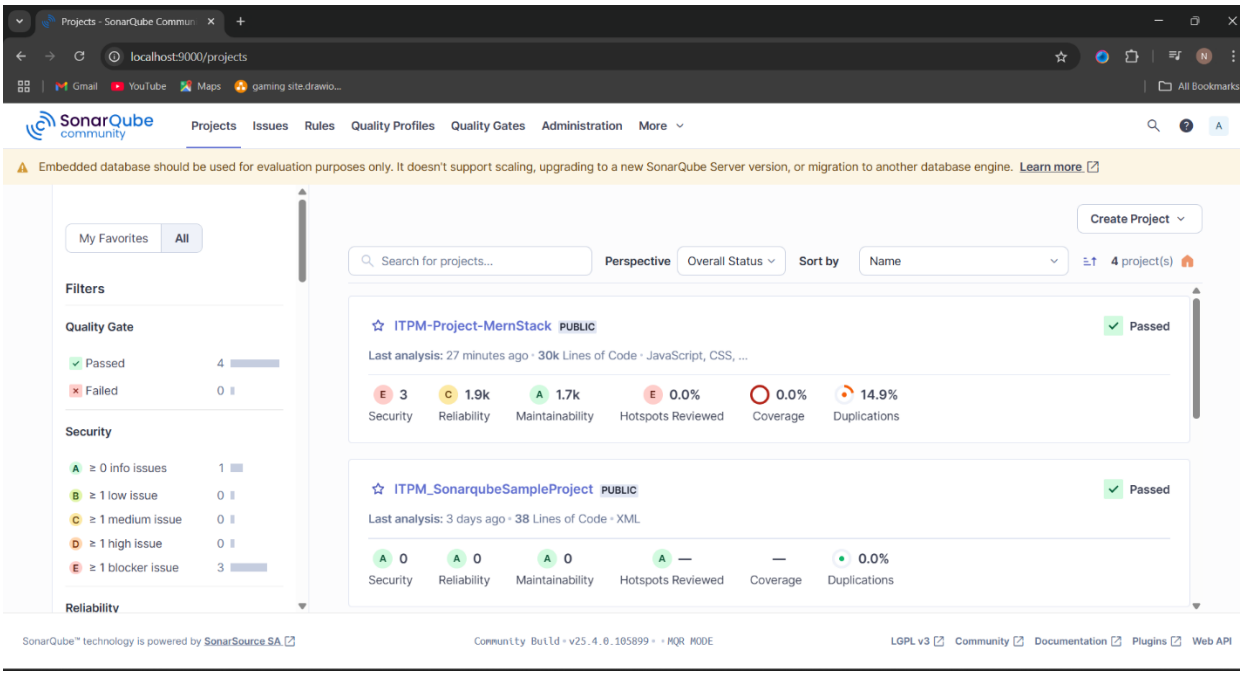
Technologies Used

Frontend React.js Axios (for API calls) Material-UI or Bootstrap (for UI components) Chart.js (for weather data visualization)

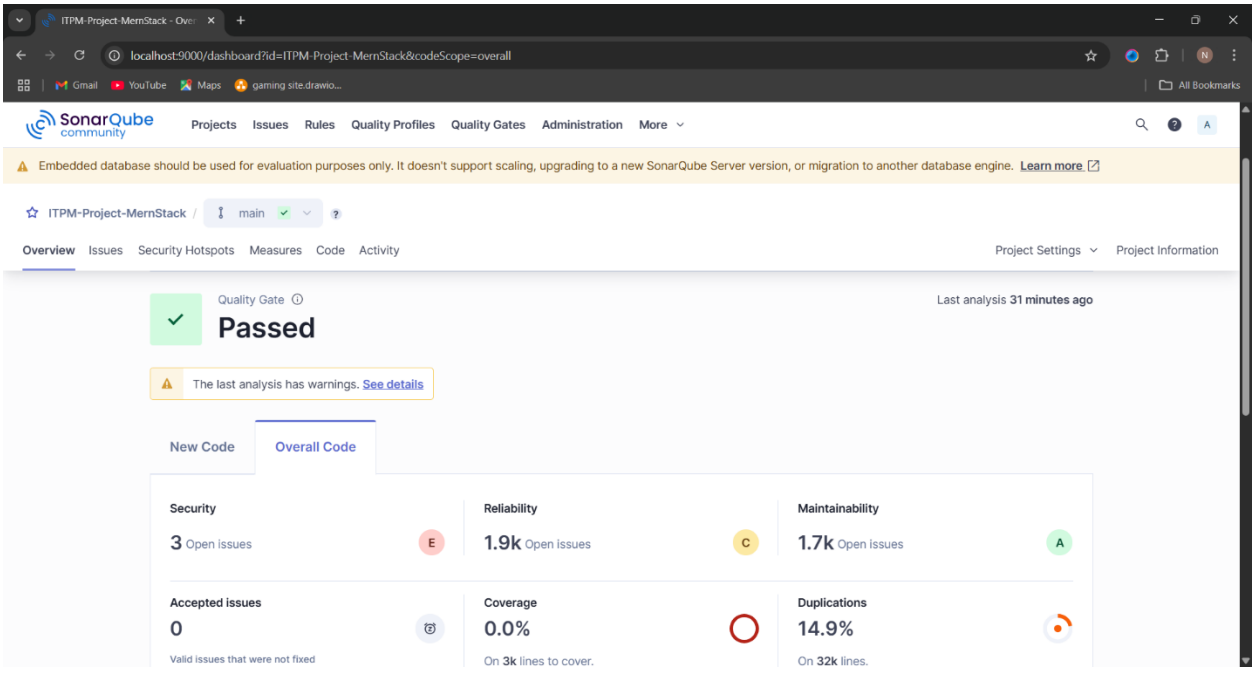
Backend Node.js Express.js MongoDB (with Mongoose ODM)

SonarQube

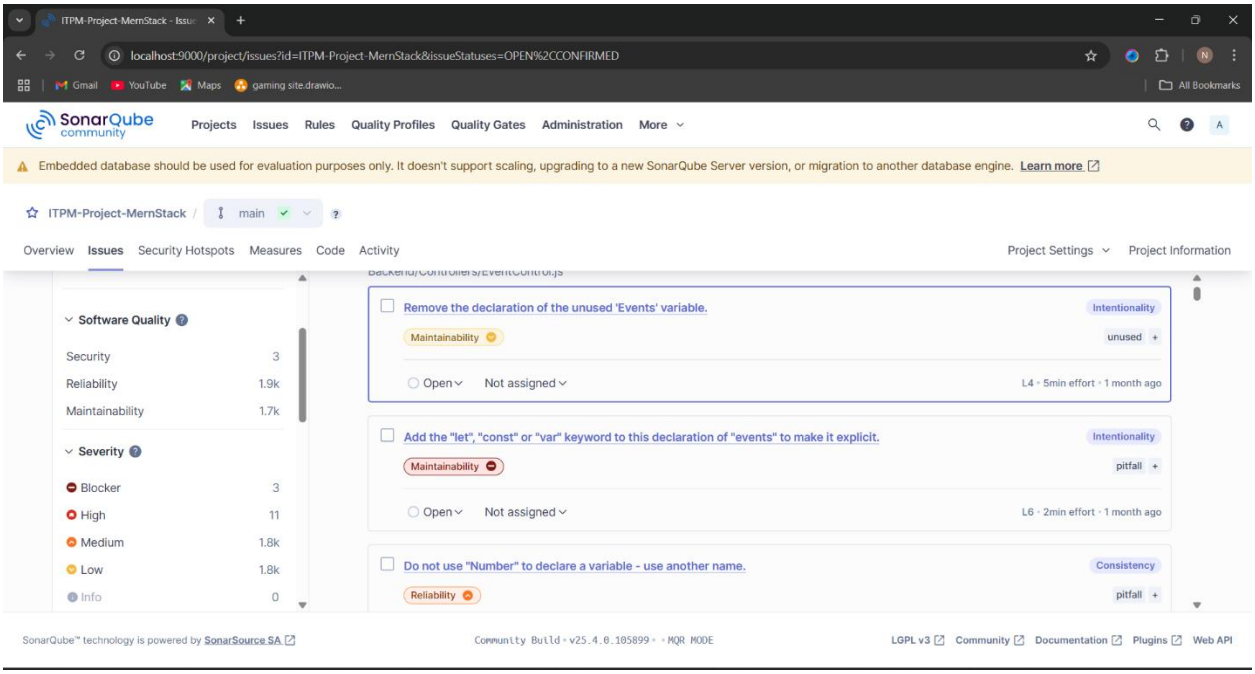
1. Overview status of analyzed projects

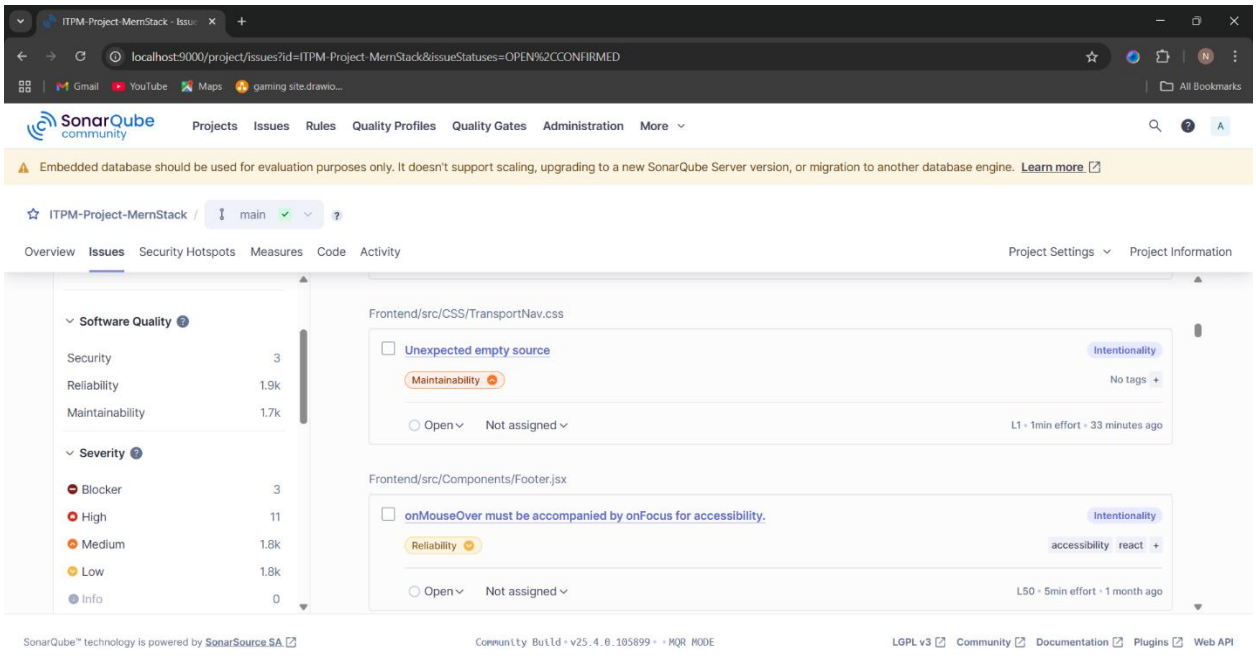


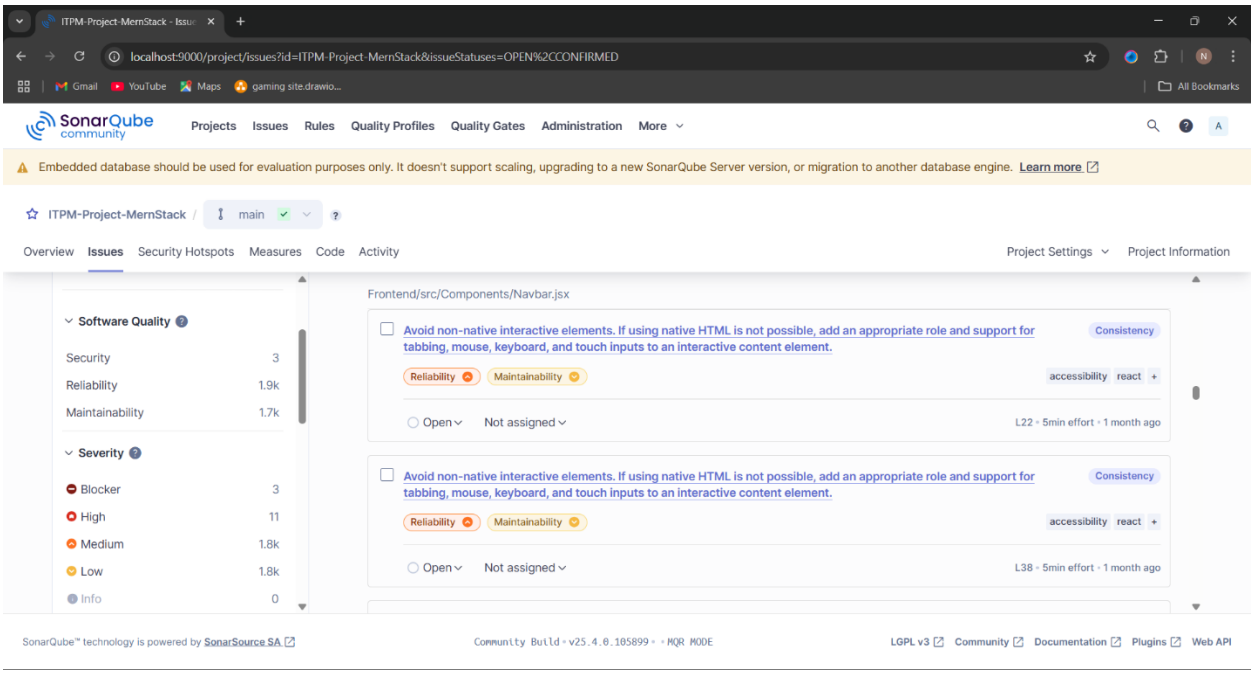
2. Project overview



3.Project issues






ITPM-Project-MernStack - Issue
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Gmail YouTube Maps gaming site.drawio...
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Overview Issues Security Hotspots Measures Code Activity
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Maintainability 1.7k
Severity
Blocker 3
High 11
Medium 1.8k
Low 1.8k
Info 0
Frontend/src/Components/Navbar.jsx
Avoid non-native interactive elements. If using native HTML is not possible, add an appropriate role and support for tabbing, mouse, keyboard, and touch inputs to an interactive content element.
Consistency
Reliability Maintainability
accessibility react +
Open Not assigned
L22 • 5min effort • 1 month ago
Avoid non-native interactive elements. If using native HTML is not possible, add an appropriate role and support for tabbing, mouse, keyboard, and touch inputs to an interactive content element.
Consistency
Reliability Maintainability
accessibility react +
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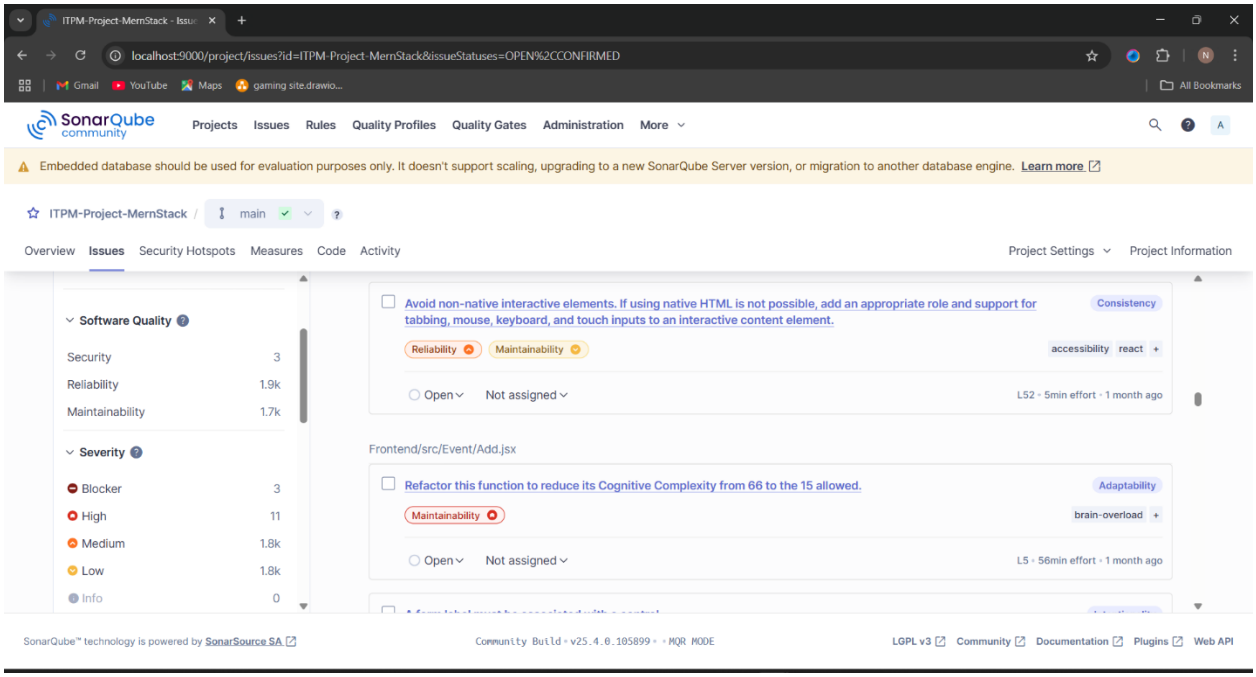
LGPL v3 Community Documentation Plugins Web API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Consistency
Reliability Maintainability
accessibility react +
Open Not assigned
L52 • 5min effort • 1 month ago
Frontend/src/Event/Add.jsx
Refactor this function to reduce its Cognitive Complexity from 66 to the 15 allowed.
Adaptability
Maintainability
brain-overload +
Open Not assigned
L5 • 56min effort • 1 month ago
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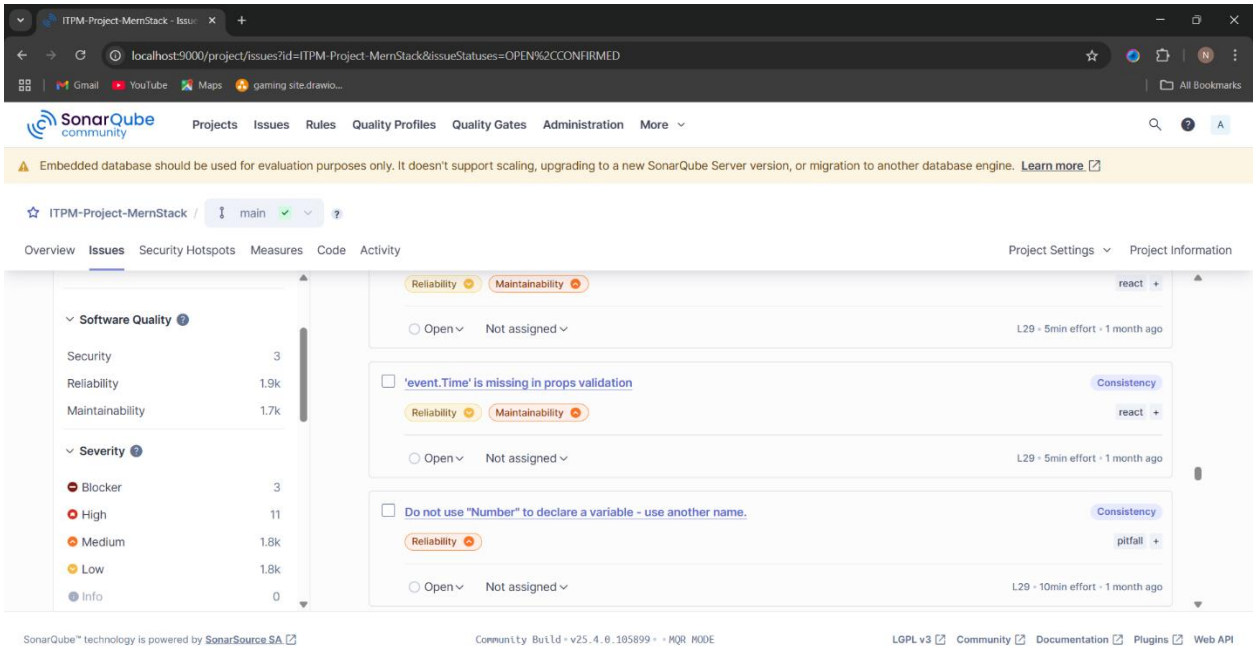
LGPL v3 Community Documentation Plugins Web API


ITPM-Project-MernStack - Issue
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Gmail
YouTube
Maps
gaming site.drawio...
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Medium 1.8k
Low 1.8k
Info 0
Reliability
Maintainability
react
Open
Not assigned
L29 • 5min effort • 1 month ago
'event.Time' is missing in props validation
Consistency
Reliability
Maintainability
react
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L29 • 5min effort • 1 month ago
Do not use "Number" to declare a variable - use another name.
Consistency
Reliability
pitfall
Open
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L29 • 10min effort • 1 month ago
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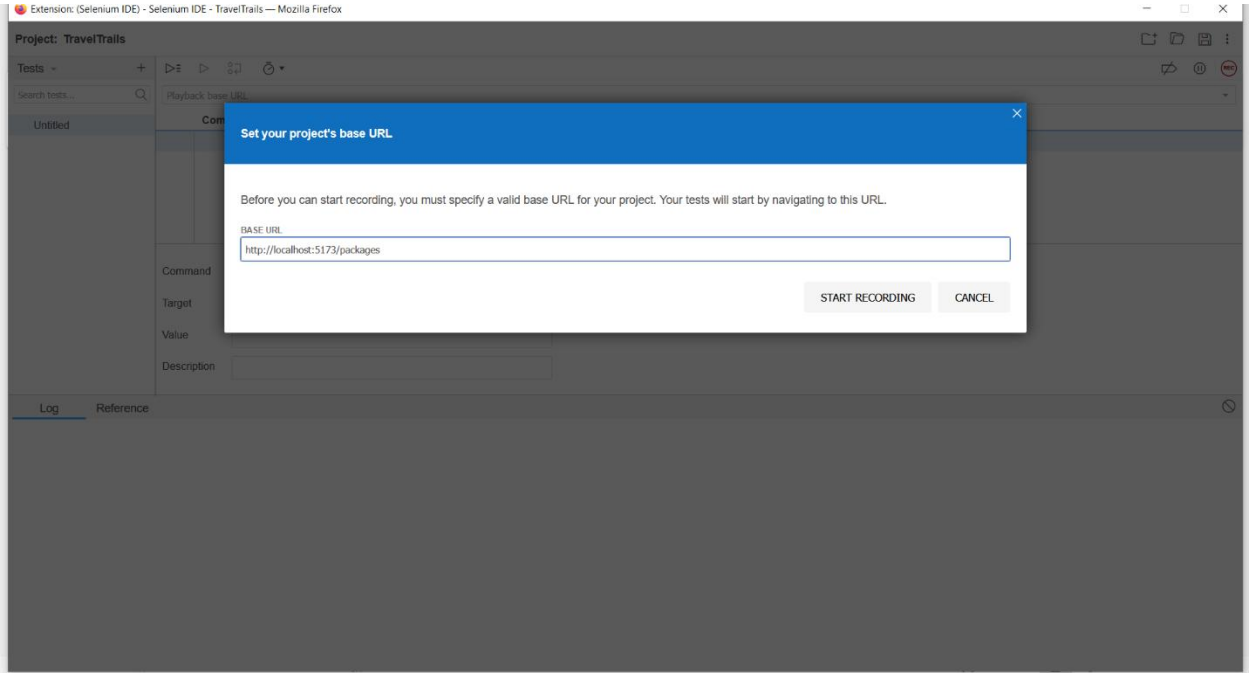
Community
Documentation
Plugins
Web API

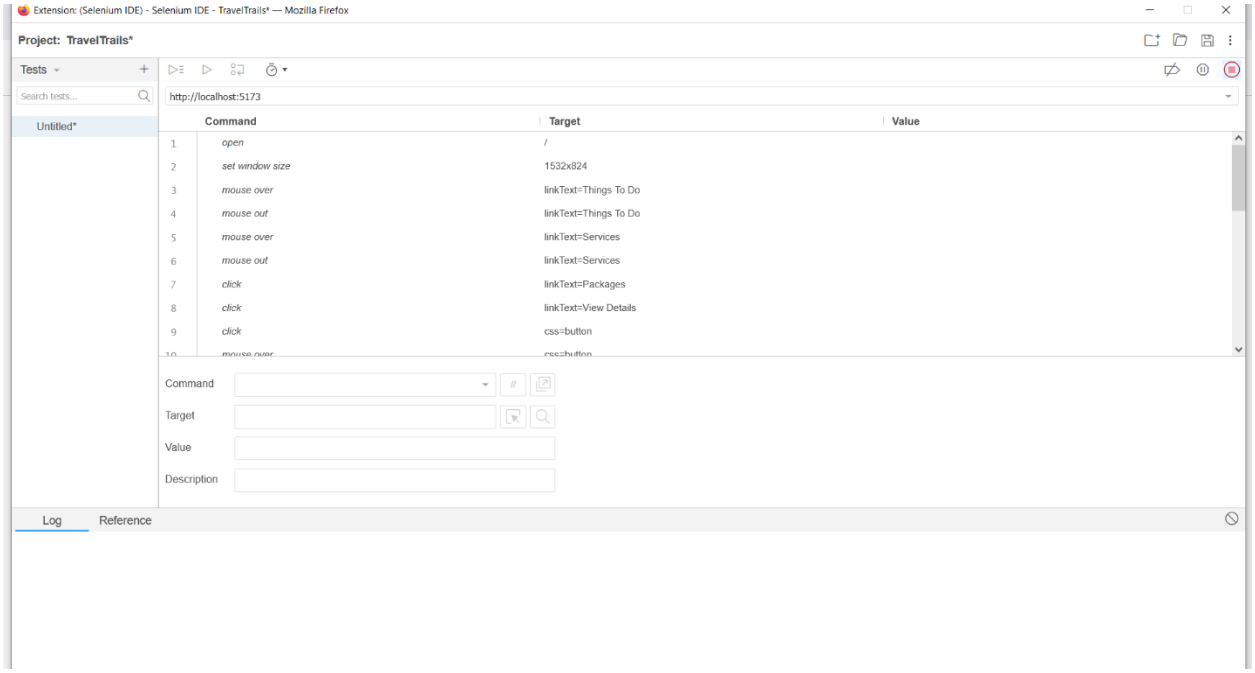
Selenium

IT22127778 – Package Booking

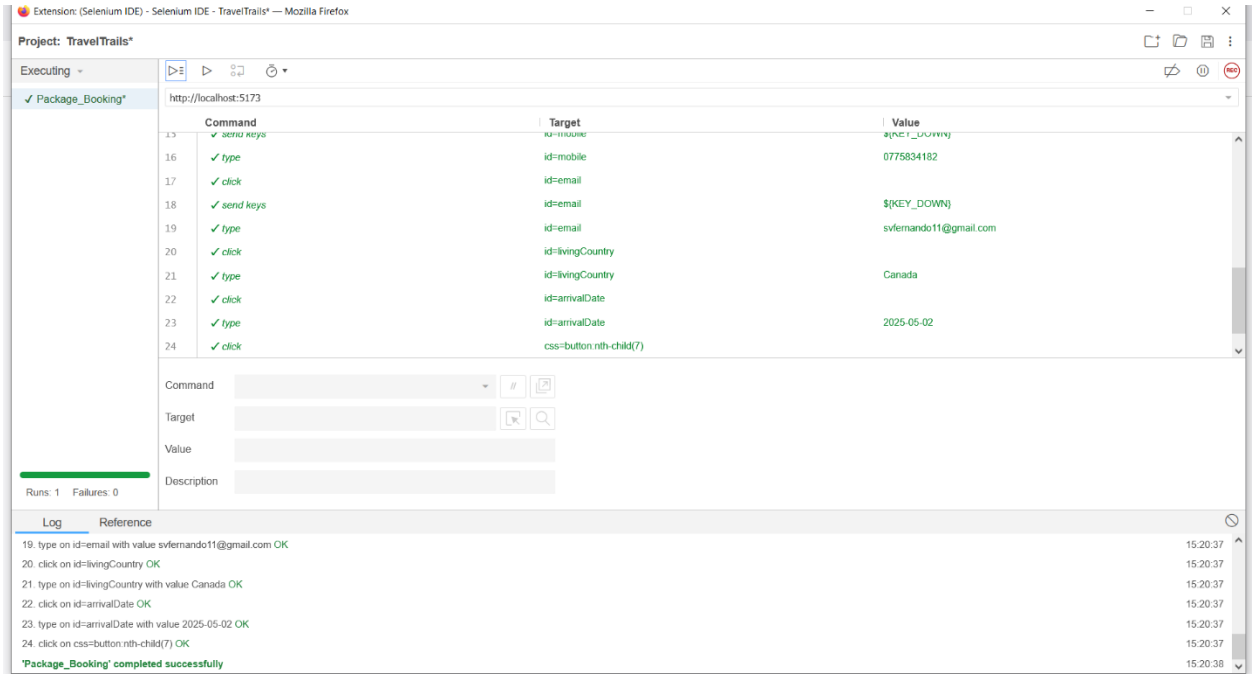
1.Selenium IDE with the base URL



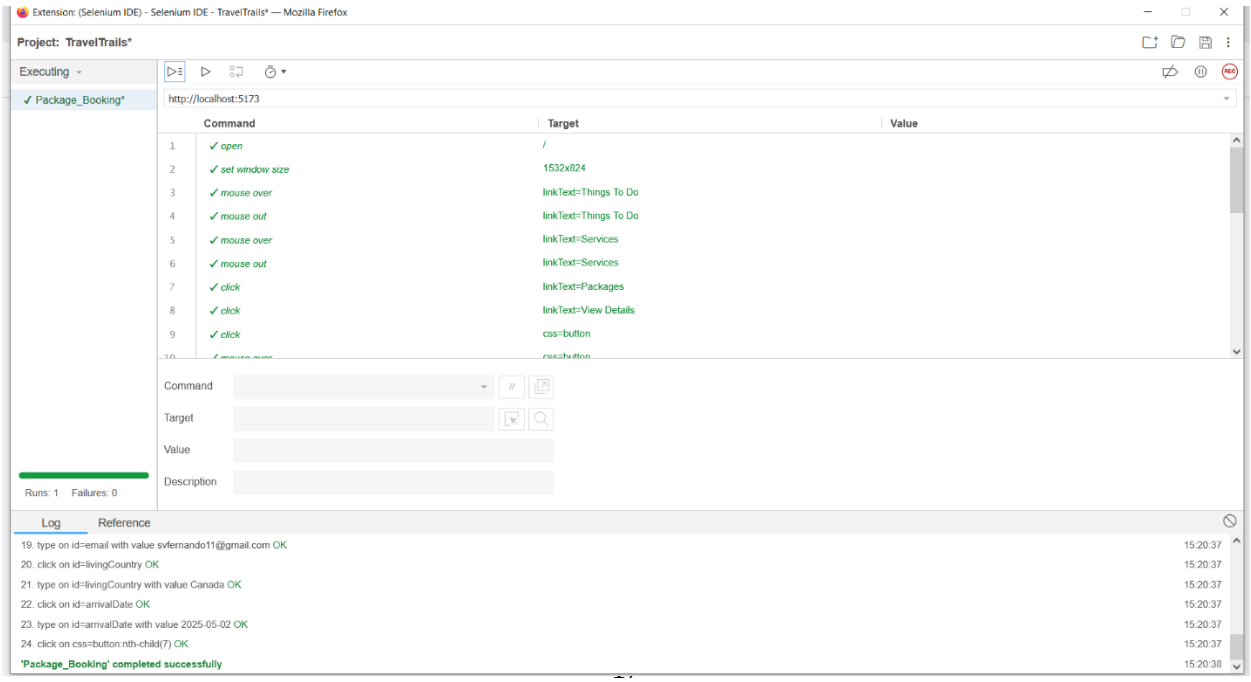
3. Automation test script



3.Selenium IDE after running the test case



4.Verify items on the page



IT22235688- Event Booking

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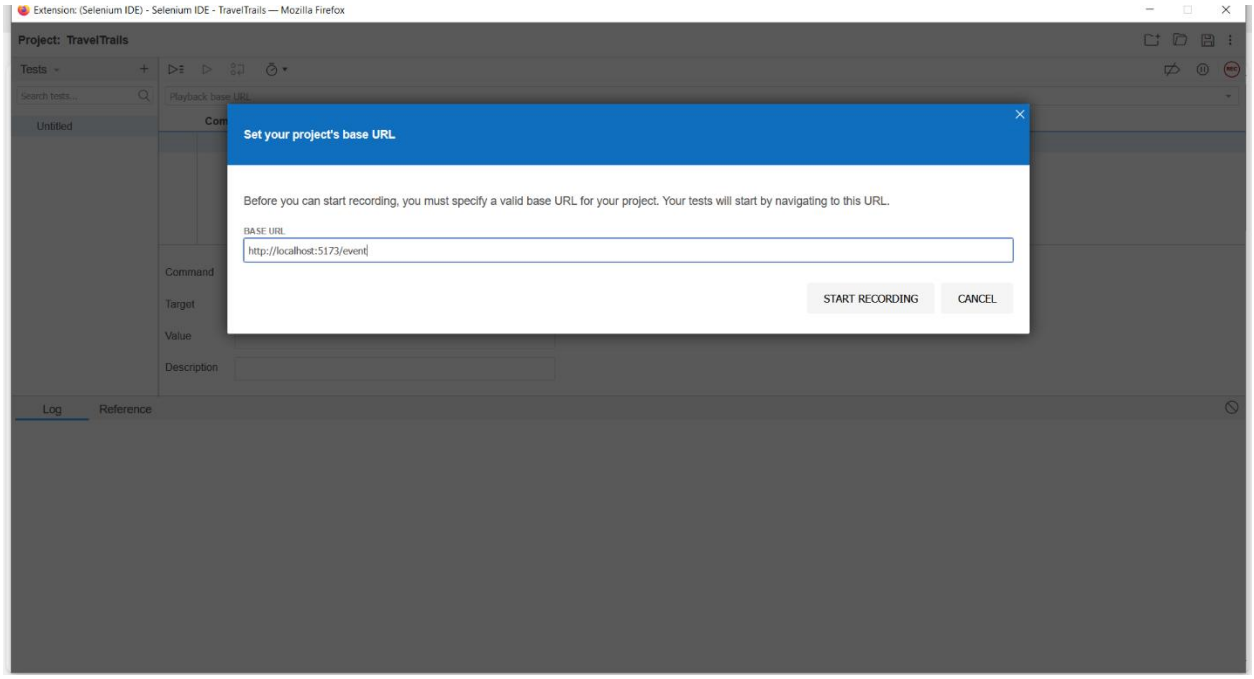

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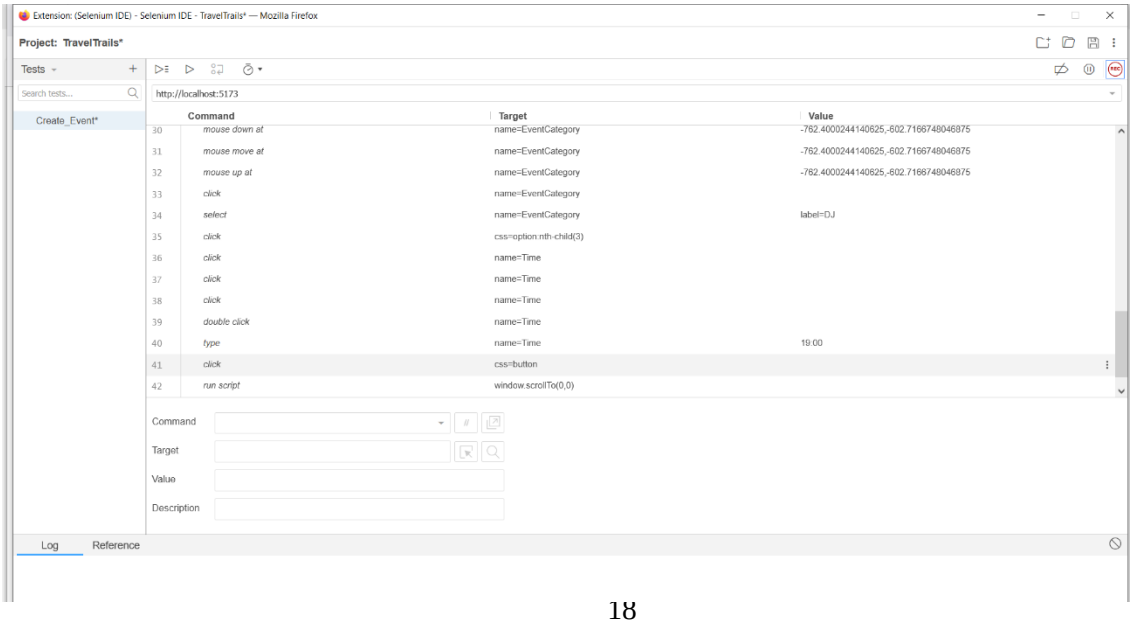

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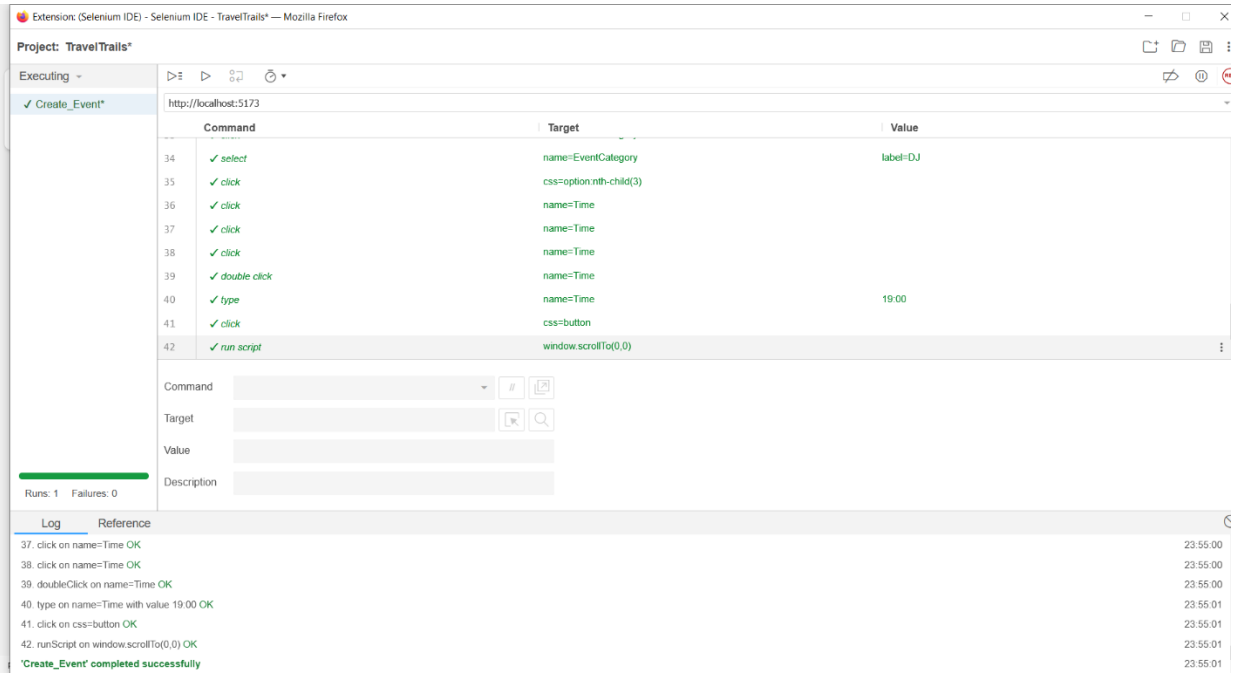

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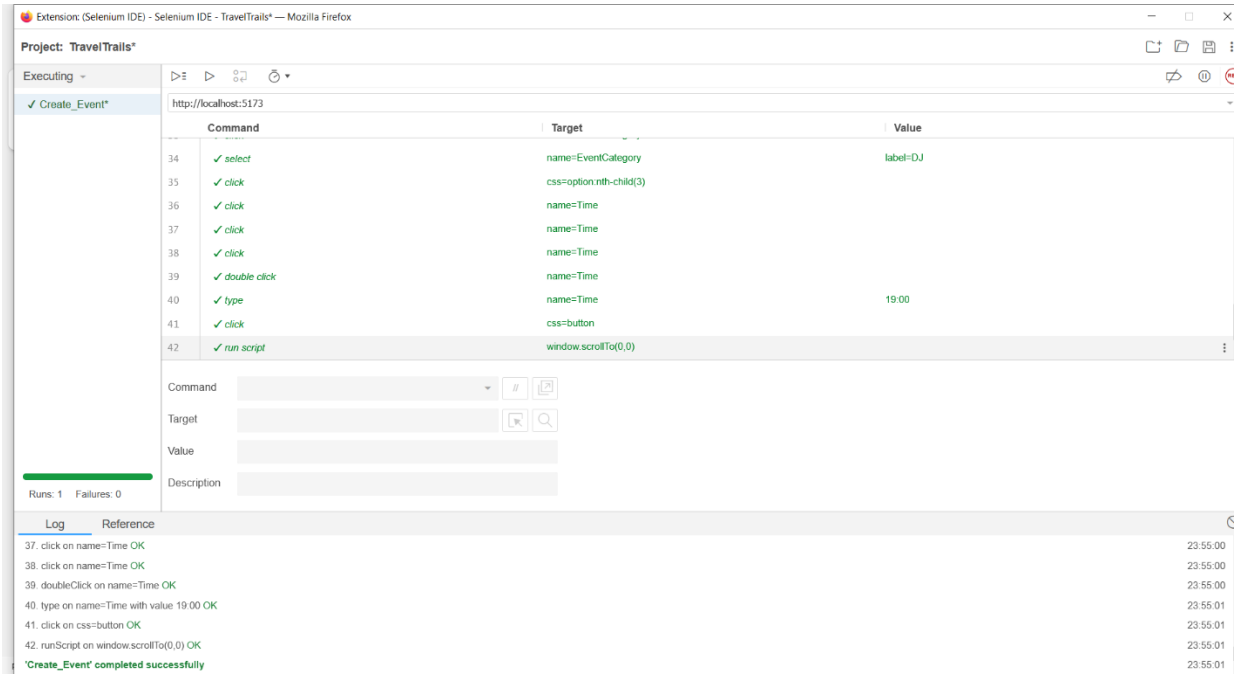

IT22208576 – Transport Booking

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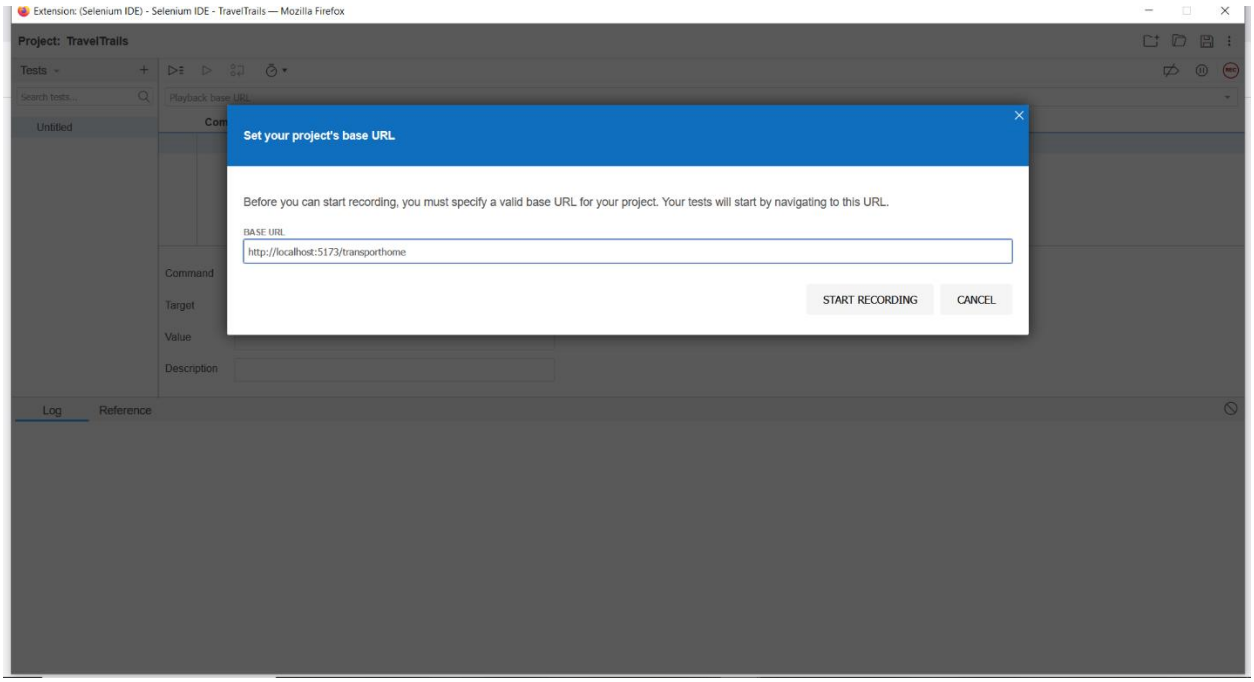

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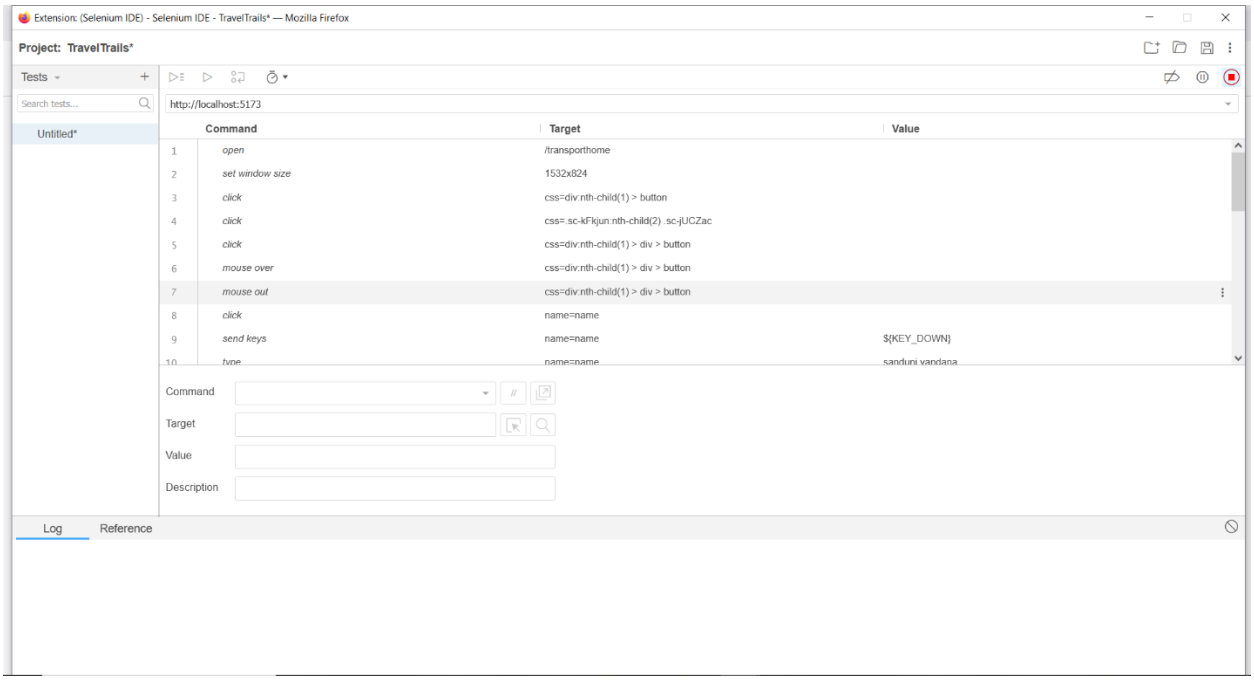
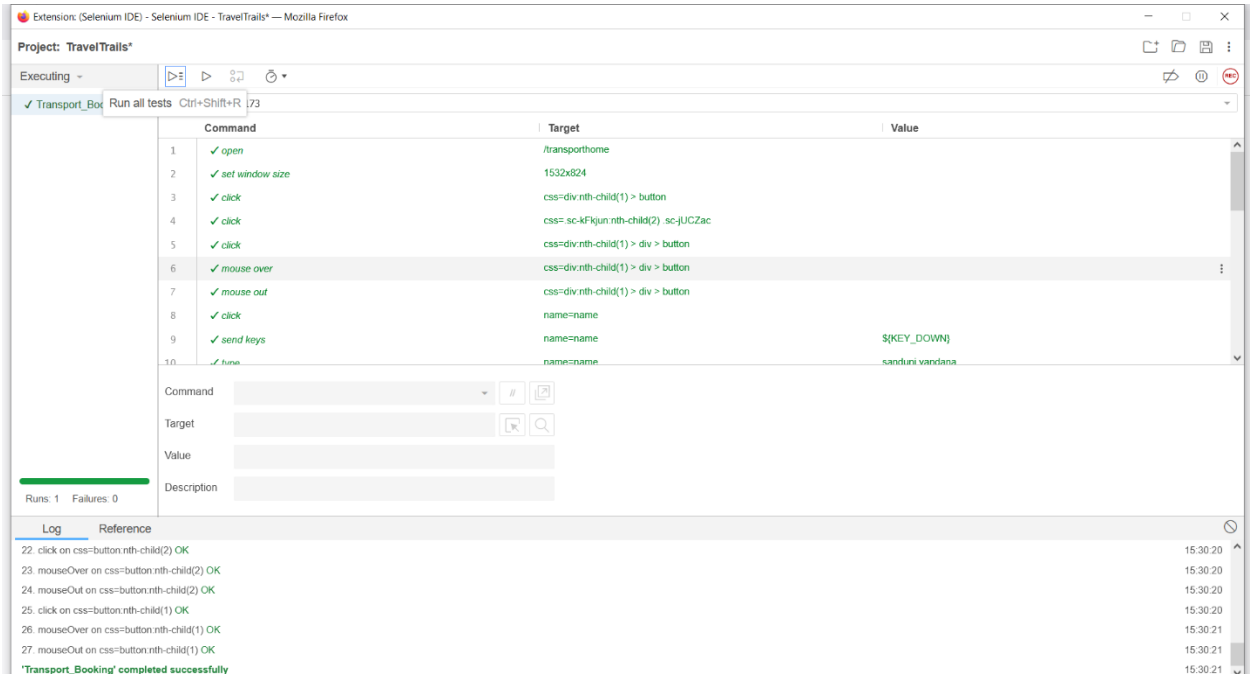


3.Selenium IDE after running the test case



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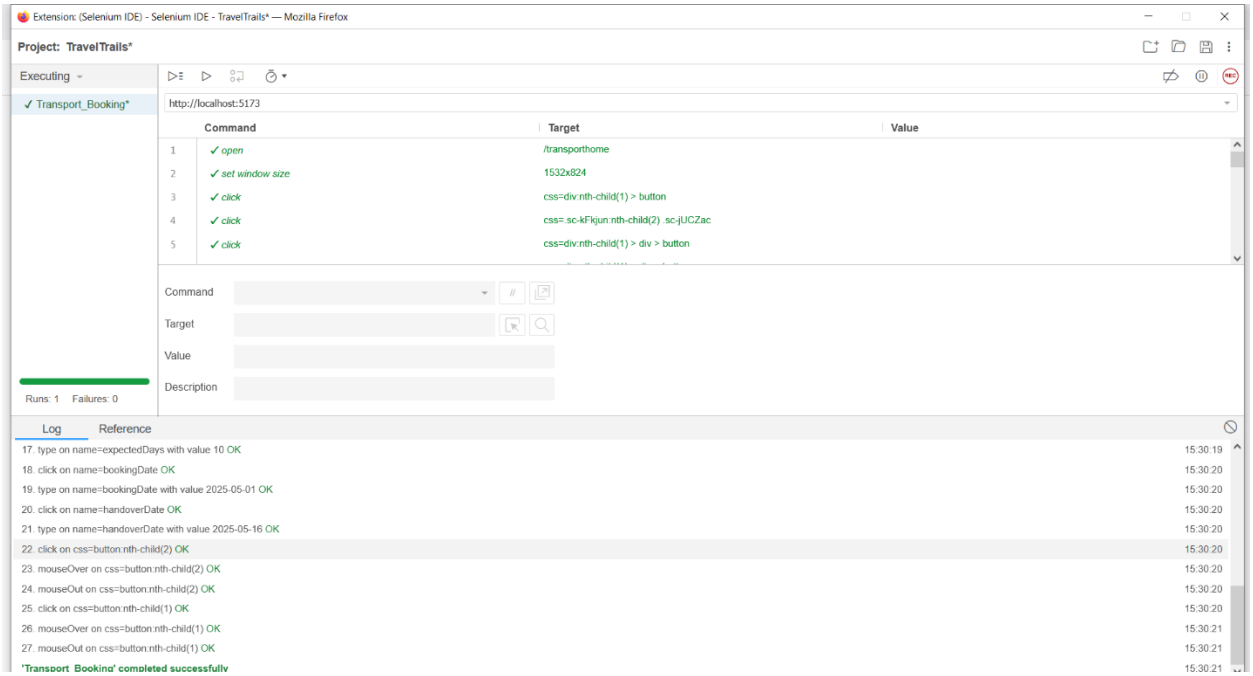

IT22272768 – Guider Booking

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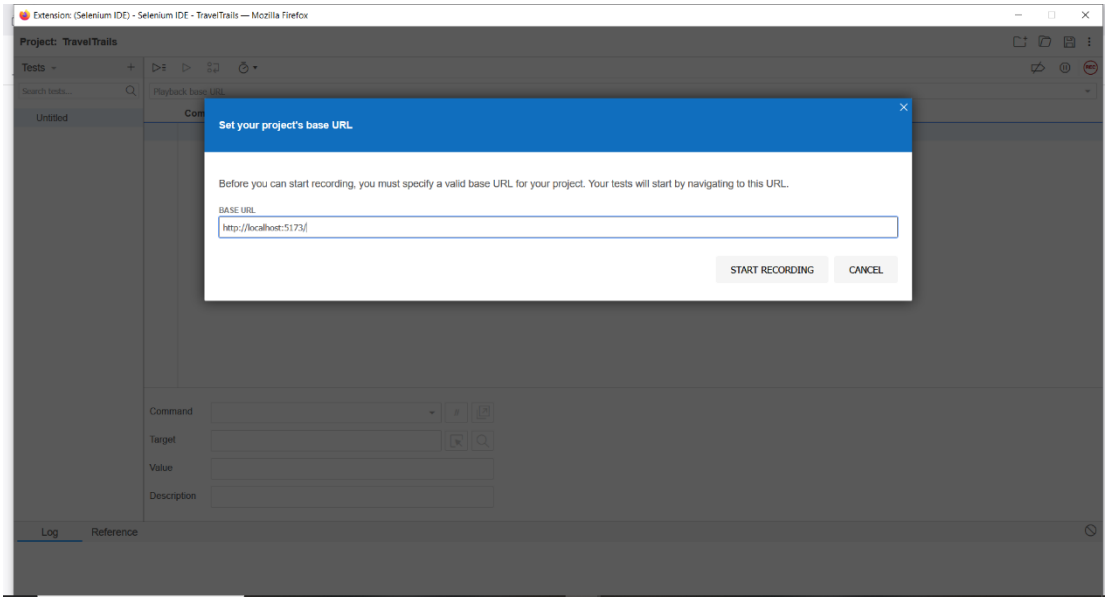
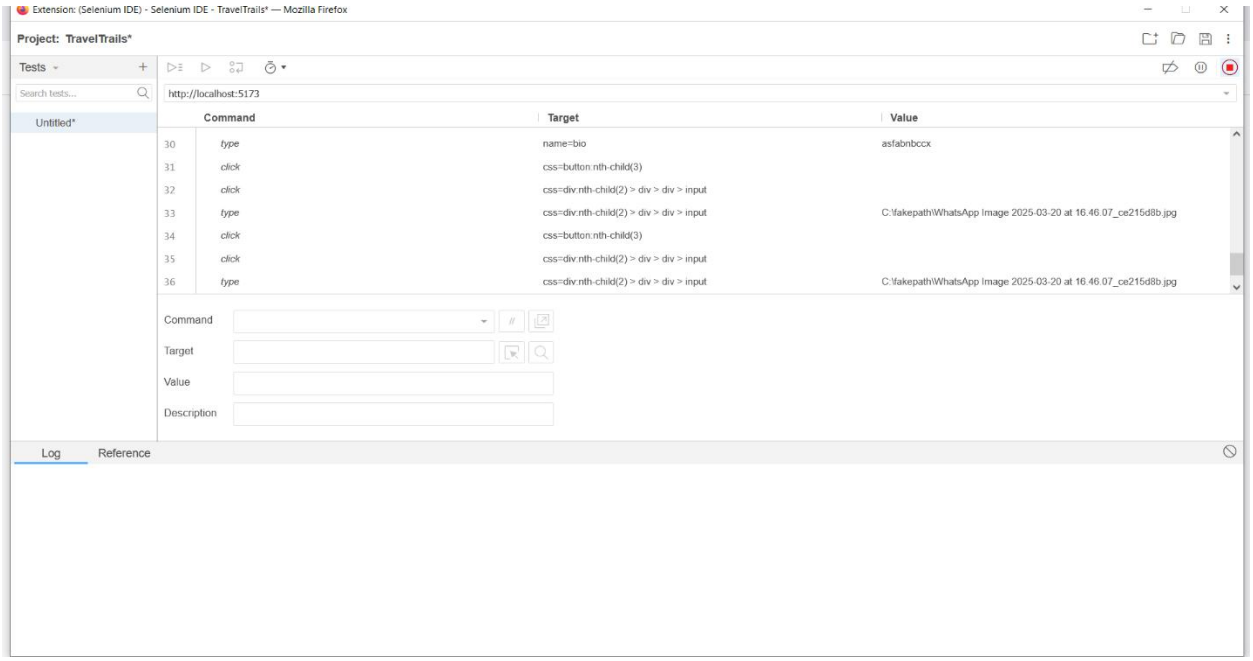
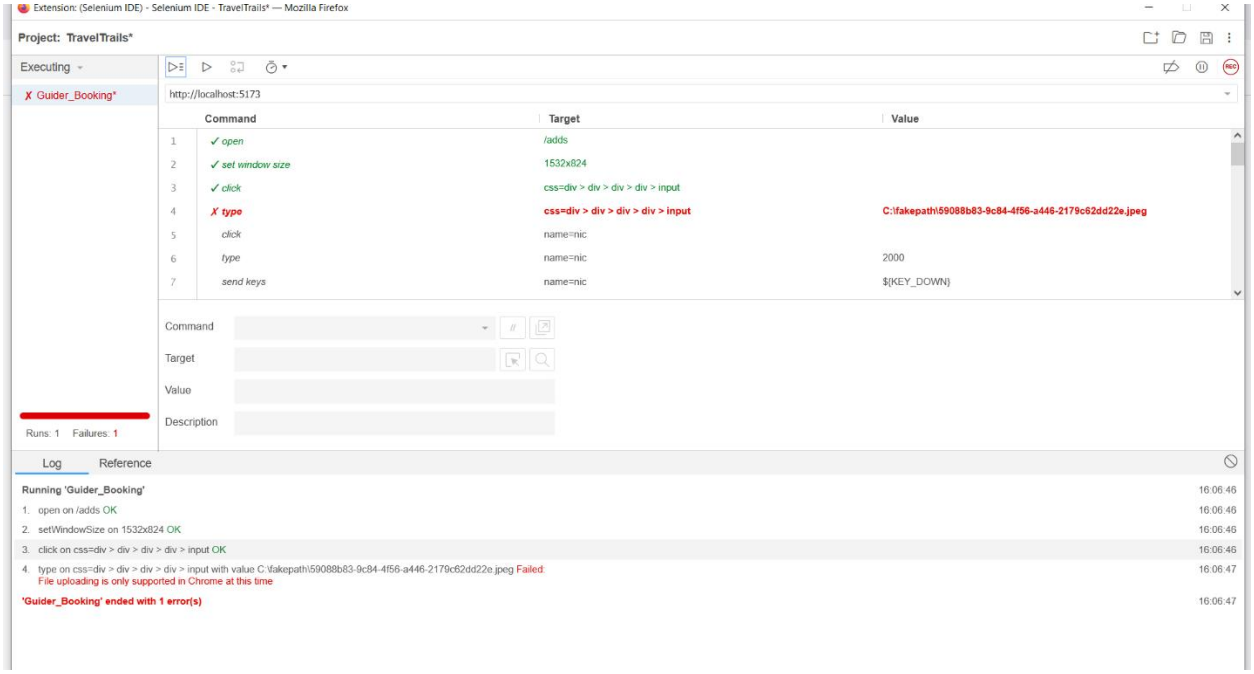
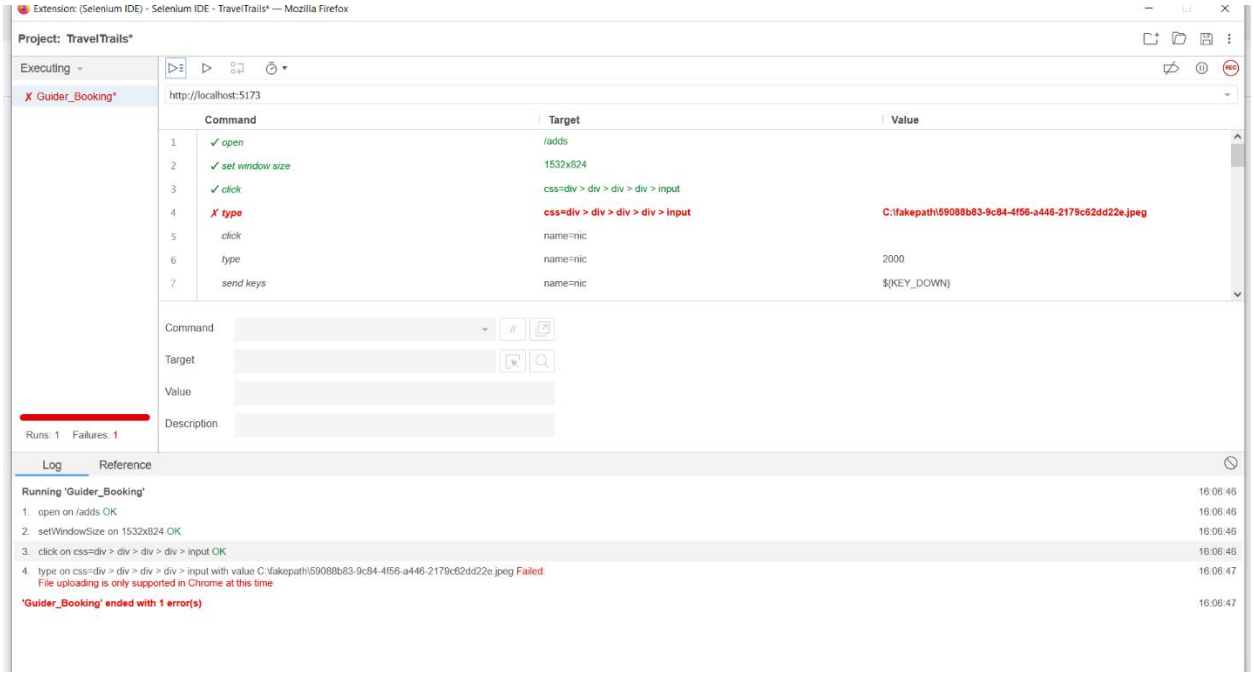


2.Automation test script



3.Selenium IDE after running the test case



4.Verify items on the page