



DIETICIAN API - HACKATHON

TEAM 5 - POSTMASTERS

SESHA SRAVANI - TEAM LEAD

GUNA THANGAVEL

LAVANYA SAIREDDY

NIDHI SHARMA

SUBASINI CLATTUS

SUBHADRA SAHU

Duration : 1 Week

Objective

Build a robust API testing framework using Postman, integrating with CI/CD pipelines, Newman, and driven by Agile principles.

Team Workflow

Gherkin scenarios
written and peer
reviews conducted

End-to-end testing completed;
CI/CD pipeline implemented;
test report generated

Final review and quality
checks

Day 1

Day 3

Day 5

Day 2

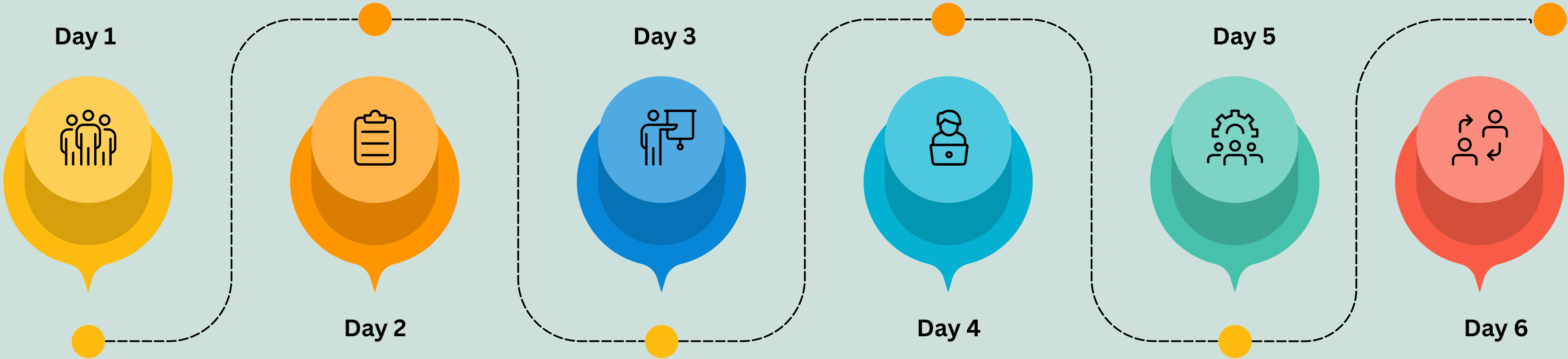
Day 4

Day 6


Module distribution
and initial setup

API testing performed
using Postman


Focused on documentation
and presentation
preparation




Sprint Execution & Management




Daily Scrum Calls



Sprint Planning



Work Distribution



JIRA Stories & Tasks

Projects

API Hackathon - Dietician

Summary Backlog Board Code Timeline Pages Forms

Search board Filter

TO DO 3

POSTMAN - FOR DIETICIAN DELETE
Jul 17, 2025
SCRUM-19 4 SS

POSTMAN - Collection Creation for PUT and GetAll
SCRUM-24
POSTMAN - FOR DIETICIAN POST
Jul 17, 2025
SCRUM-21

IN PROGRESS 6

Dietician Module -Part 2
SCRUM-7
Postman collection for Patient Module-Part 1
SCRUM-12
POSTMAN- Collection Creation for PUT and GetAll
SCRUM-24
POSTMAN - FOR DIETICIAN POST
Jul 17, 2025
SCRUM-18

DONE 15

Division of modules
SCRUM-1
Created Jira , Postman
SCRUM-3
Gherkin - Dietician - POST
Jul 14, 2025
SCRUM-14
Gerkin writing for Dietician Put opertaion
SCRUM-10
Gherkin Dietician Delete

17 completed in the last 7 days

27 updated in the last 7 days

27 created in the last 7 days

2 due soon in the next 7 days

Status overview
Get a snapshot of the status of your work items. [View all work items](#)

27
Total work items

To Do: 5

In Progress: 5

Done: 17

Recent activity

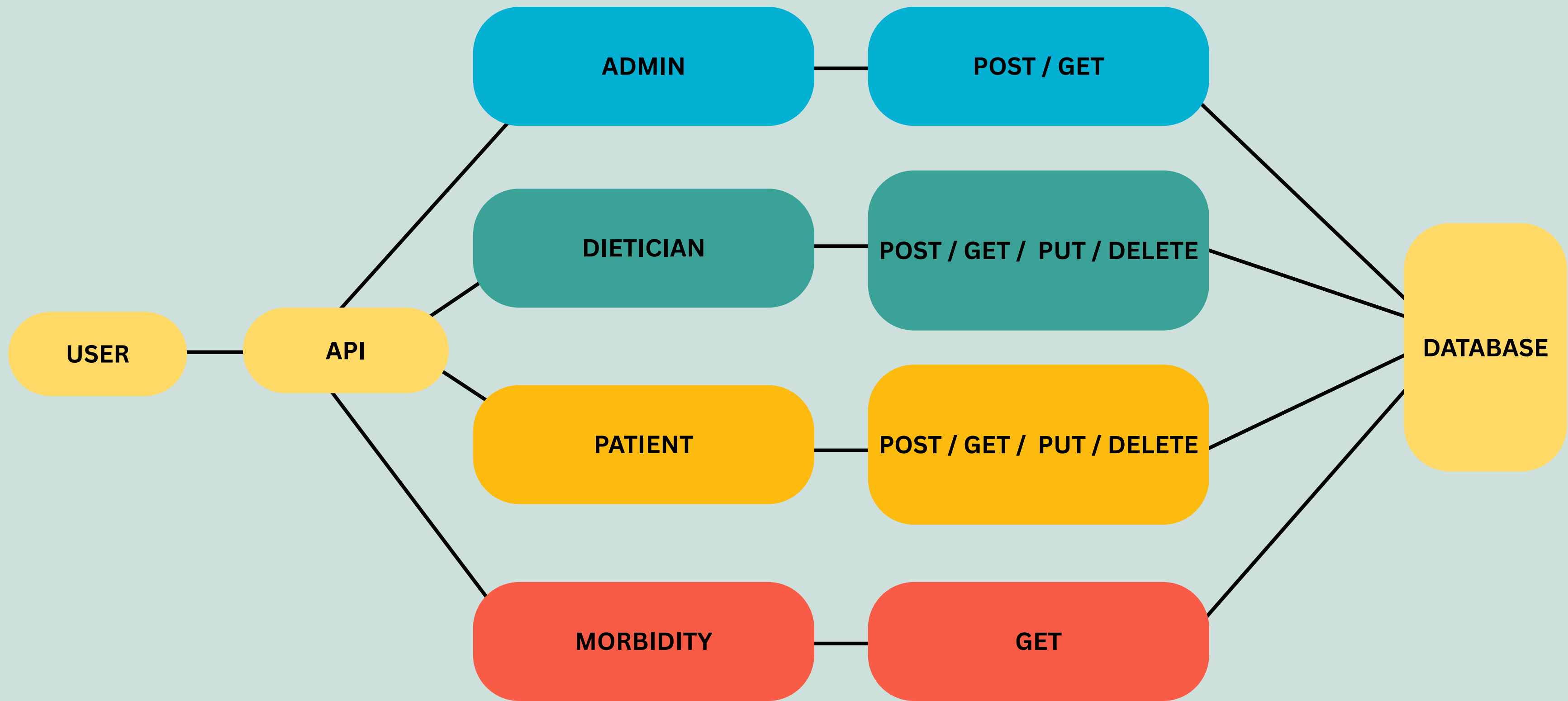
Stay up to date with what's happening across the project.

SC Subasini Clattus updated field "Rank" on SCRUM-26: Morbidity - Pre and Post Script Creation IN PROGRESS 8 minutes ago

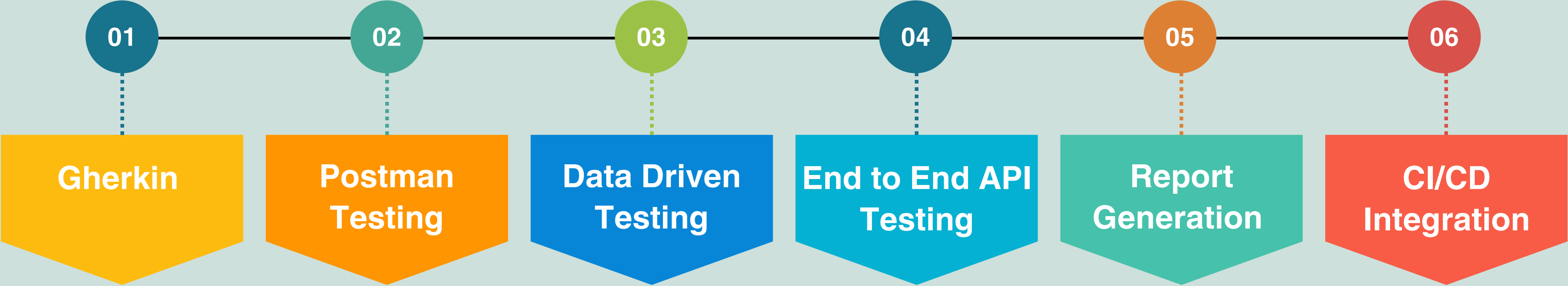
Yesterday

NS Nidhi Sharma attached a file to SCRUM-27: While creating new patient with duplicate emails its not letting user create it though email id is not a Unique field. TO DO 1 day ago

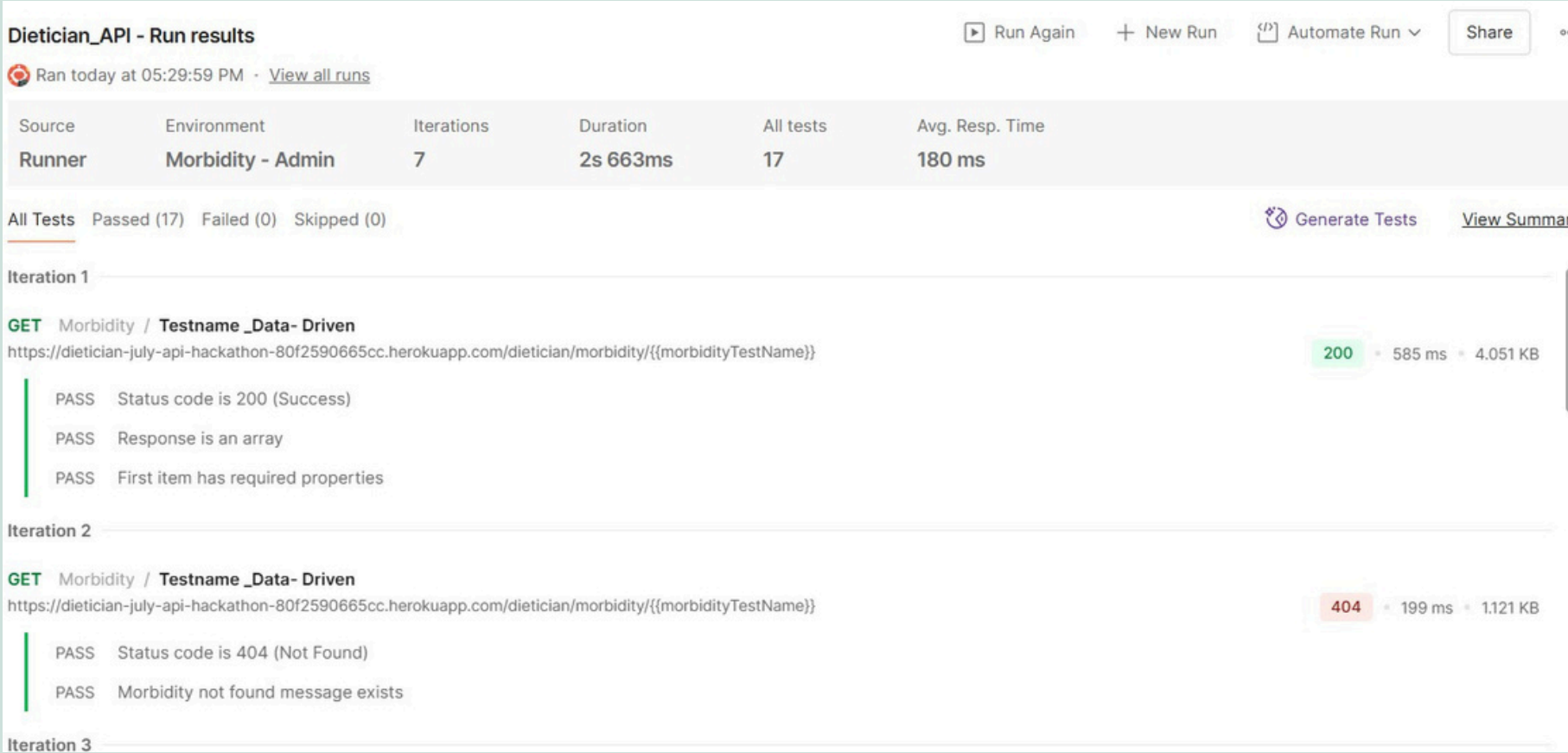
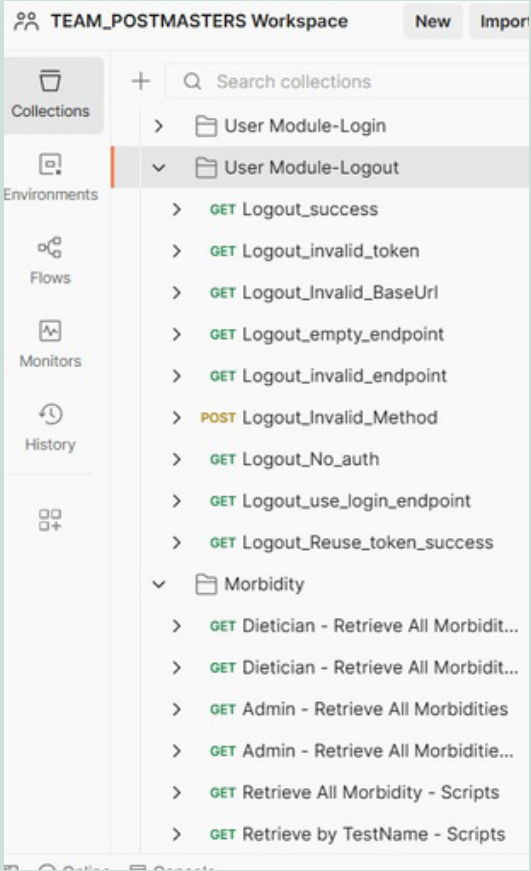
DIETICIAN API ARCHITECTURE OVERVIEW



Project Implementation



Overview of No. of Scenarios Covered			
Modules	Scenario Type	No. of Scenarios	Total Scenarios
Dietician [PUT,GETALL/GETBYID]	Positive	4	51
	Negative	47	
Dietician [POST, DEL]	Positive	8	33
	Negative	25	
User Module	Positive	3	24
	Negative	21	
Patient[POST,GET]	Positive	9	38
	Negative	29	
Patient[PUT,DELETE]	Positive	4	44
	Negative	40	
Morbidity	Positive	8	30
	Negative	22	
Total			220



Challenges & Learnings

01

Postman Workspace Limitation

Limited collaboration due to a 3-member cap on free workspaces



05

Environment & Variable Management

Needed improved handling of global variables and base URLs.



02

Authentication Issues

Difficulty retrieving tokens in Swagger and Postman, delaying tests.



06

Bug Identification

Challenges differentiating between real errors and valid responses.



03

Role-Based Validation

Testing varied user roles (Admin, Dietician, Patient) with different access levels and responses.



07

Report Integration

Integrating test results with other tools to generate accessible, visual test reports.



04

Data-Driven Testing Errors

CSV/JSON formatting issues caused test failures; resolved by correcting data structure.



08

Team Collaboration

Coordinating across team roles to successfully chain and test complete workflows



THANK YOU