

# Capstone Jira Documentation

## 1. Project Overview

- **Project Name: HP-Capstone-QE**
- **Sprints:**
  - **NCAT Sprint 1 – URL:**  
<https://admin-demo.nopcommerce.com/login?ReturnUrl=%2Fadmin%2F>
  - **NCAT Sprint 2 – URL:** <https://restful-api.dev/>
- **Modules/Epics:**
  - **Admin Login Functionality**
  - **Customer Management**
  - **Order Management**
  - **API Automation for** <https://api.restful-api.dev/objects>

## List

Projects / HP-Capstone-QE

## NCAT board

Summary Timeline Backlog Active sprints Calendar Reports **List** Forms Goals All work Components % Code Releases Archived work items More +

Q Search list Filter

Group

<input type="checkbox"/>	Type	Key	Summary	Status	Comments	Sprint	Assignee	Priority	Labels	Ctrl +
<input type="checkbox"/>	▼	NCAT-1	Admin Login Functionality	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	>	NCAT-4	Test Admin Login Page	DONE	Add comment			==		
<input type="checkbox"/>	🔍	NCAT-15	TC-LOGIN-001-Login with valid credentials	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	🔍	NCAT-17	TC-LOGIN-002-Login with invalid credentials	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	🔍	NCAT-19	TC-LOGIN-003-Leave login form blank	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	🔍	NCAT-31	TC-LOGIN-004-Login with invalid credentials	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	🔥	NCAT-35	BUG-ADMIN-001-No CAPTCHA or Rate Limiting on Login	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	▼	NCAT-2	Customer Management	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	>	NCAT-5	Test Customer List Page	DONE	Add comment			==		
<input type="checkbox"/>		NCAT-21	TC-CUST-001-View Customer List	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	🔍	NCAT-23	TC-CUST-002-Search Customer by Email	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	🔍	NCAT-25	TC-CUST-003-Filter by Customer Role	DONE	Add comment	NCAT Sprint 1		==		
<input type="checkbox"/>	🔍	NCAT-33	TC-CUST-004-View Customer List	PENDING	Add comment	NCAT Sprint 1		==		

+ Create

Projects / HP-Capstone-QE

NCAT board

Summary Timeline Backlog Active sprints Calendar Reports List Forms Goals All work Components Code Releases Archived work items More

Search list Filter

Group

	Type	Key	Summary	Status	Comments	Sprint	Assignee	Priority	Labels	Ctrl +
		NCAT-37	API Automation for https://api.restful-api.dev/objects	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-38	GET List of Objects	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-39	GET Single Object	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-42	POST Create New Object	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-44	PUT Update Object	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-46	DELETE Object	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-48	GET List of Objects	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-49	GET Single Object	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-50	POST Create New Object	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-51	PUT Replace Existing Object	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-52	DELETE Existing Object	TO DO	Add comment	NCAT Sprint 2		=		
		NCAT-53	GET preconditions	TO DO	Add comment	NCAT Sprint 2		=		

<https://learningatasc.atlassian.net/jira/software/c/projects/NCAT/list>

## 2.Backlog View

Include screenshots and listing of:

- Sprints
- Epics
- Story points
- Tests

## Backlog

Projects / HP-Capstone-QE

NCAT board

Summary Timeline Backlog Active sprints Calendar Reports List Forms Goals All work Components Code Releases Archived work items More

Search backlog Version Epic Type Quick filters

NCAT Sprint 1 Add dates (0 work items)

NCAT Sprint 2 Add dates (15 work items)

NCAT-38	GET List of Objects	API AUTOMATION EQ...	TO DO		
NCAT-40	Design GET Request in Postman	API AUTOMATION EQ...	TO DO		
NCAT-39	GET Single Object	API AUTOMATION EQ...	TO DO		
NCAT-42	POST Create New Object	API AUTOMATION EQ...	TO DO		
NCAT-43	Design POST Request with a Valid Request Body	API AUTOMATION EQ...	TO DO		
NCAT-44	PUT Update Object	API AUTOMATION EQ...	TO DO		
NCAT-46	DELETE Object	API AUTOMATION EQ...	TO DO		
NCAT-48	GET List of Objects	API AUTOMATION EQ...	TO DO		
NCAT-49	GET Single Object	API AUTOMATION EQ...	TO DO		
NCAT-50	POST Create New Object	API AUTOMATION EQ...	TO DO		
NCAT-51	PUT Replace Existing Object	API AUTOMATION EQ...	TO DO		
NCAT-52	DELETE Existing Object	API AUTOMATION EQ...	TO DO		
NCAT-53	GET preconditions	API AUTOMATION EQ...	TO DO		

<https://learningatasc.atlassian.net/jira/software/c/projects/NCAT/boards/34/backlog>

### 3. Sprint Summary (For Each Sprint)

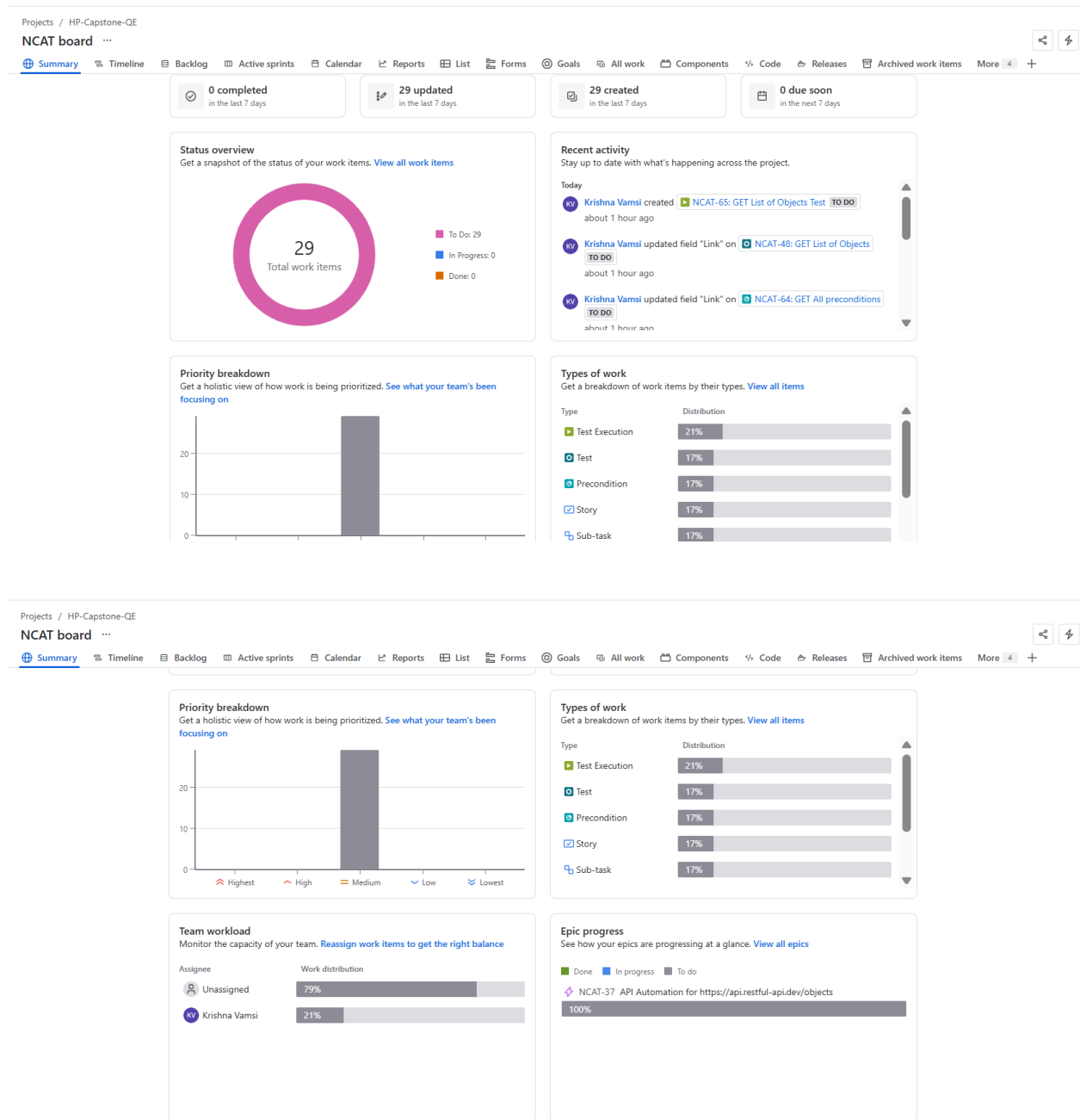
#### Sprint 1: NCAT Sprint 1

- **Epics:**
  - **Admin Login Functionality**
  - **Customer Management**
  - **Order Management**
- **Stories:**
  - **Test Admin Login Page**
  - **Test Customer List Page**
  - **Test Order Page**
- **Tests:**
  - **Functional tests for login, table rendering, pagination, filters**
- **Bugs:**
  - **No CAPTCHA or Rate Limiting on Login**
  - **Invalid Gmail Address Accepted in Customer Form**

#### Sprint 2: NCAT Sprint 2

- **Epic:**
  - **API Automation for <https://api.restful-api.dev/objects>**
- **Stories:**
  - **GET List of Objects**
  - **GET Single Object**
  - **POST Create New Object**
  - **PUT Update Object**
  - **DELETE Object**
- **Tests:**
  - **5 API automation tests for each method**

# Summary



<https://learningatasc.atlassian.net/jira/software/c/projects/NCAT/summary>

#### 4. TestCase Structure

Field	Input
Test Case ID	TC_API_GET_001
Test Name	Verify retrieval of a single object by ID
Description	Validate API returns correct object when queried with a valid ID
Preconditions	<ol style="list-style-type: none"><li>1. The API server is online and reachable.</li><li>2. A known object ID exists in the database (e.g., ID = 1).</li><li>3. Postman or Newman CLI is set up for execution.</li></ol>
Test Steps	<ol style="list-style-type: none"><li>1. Send a GET request to /objects/1</li><li>2. Verify response code is 200 OK</li><li>3. Check that object name and ID match the expected value</li></ol>
Test Data	Endpoint: /objects/1
Expected Output	Status code: 200
Actual Output	Status code: 200
Status	Passed

# TestCase

NCAT-37 / NCAT-49

GET Single Object

+ Add

Apps

Description

Test the API's ability to return the correct object when a valid ID is supplied.

Linked work items

is blocked by

NCAT-53 GET preconditions

TO DO

Test details

Test details

Preconditions

Test Sets

Test Plans

Test Runs

Test Type

Manual

Test Repository

Dataset

Edit in Dialog

Add Step

1

Action

Open Postman and set method to GET

Data

None

Expected Result

Postman request ready with GET method

1

Unassigned

Assign to me

KV Krishna Vamsi

Create branch

Create commit

None

None

NCAT Sprint 2

Medium

NCAT-37 API Automation for ht

Open Test Status

More fields

Original estimate, Time tracking, Components, T...

Automation

Rule identifier

NCAT-37 / NCAT-49

1

Action

Open Postman and set method to GET

Data

None

Expected Result

Postman request ready with GET method

Attachments (0)

2

Action

Enter URL: <https://api.restful-api.dev/objects/1>

Data

ID = 1 (existing ID)

Expected Result

URL correctly entered

Attachments (0)

3

Action

Click Send

Data

None

Expected Result

Response Status: 200 OK  
Response Body: JSON object with id = 1

Attachments (0)

4

Action

Verify headers

Data

None

Expected Result

Header: Content-Type: application/json

Attachments (0)

1

Unassigned

Assign to me

KV Krishna Vamsi

Create branch

Create commit

None

None

NCAT Sprint 2

Medium

NCAT-37 API Automation for ht

Open Test Status

More fields

Original estimate, Time tracking, Components, T...

Automation

Rule identifier

5.Bug

NCAT-1 / NCAT-35

BUG-ADMIN-001-No CAPTCHA or Rate Limiting on Login

+ Add

Apps

Description

Defect Title: Login form lacks CAPTCHA/rate limiting

Defect Description:

Repeatedly try to log in with wrong passwords.

Observe system behavior.

Expected Result: CAPTCHA or rate limiting after several failed attempts.

Actual Result: Unlimited login attempts allowed.

Evidence: 10+ attempts.

Severity: High

Priority: Critical

Module Affected: Security

Environment: Chrome Browser

Reported By: Krishna

Reported On: 25-04-2025

Status: New

Assigned To: ABC

1

Done

Done

Improve work item

Details

Assignee

Unassigned

Assign to me

Reporter

KV Krishna Vamsi

Development

Create branch

Create commit

Labels

None

Start date

None

Sprint

NCAT Sprint 1

Priority

Medium

Parent

NCAT-1 Admin Login Functiona

More fields

Original estimate, Time tracking, Components, T...

Automation

Rule executions

6.Filter

- Project = Hp-Capstone-QE
- Status = To Do

Projects / HP-Capstone-QE

NCAT board

Summary

Timeline

Backlog

Active sprints

Calendar

Reports

List

Forms

Goals

All work

Components

Code

Releases

Archived work items

More

AI

Basic

JQL

Q Search work

Project = HP-Capstone-QE

Assignee

Type

Status = To Do

More filters

Clear filters

Save filter

Created

GET List of Objects Test

NCAT-65

GET All preconditions

NCAT-64

DELETE Object by ID Test

NCAT-63

Delete preconditions

NCAT-62

PUT Replace Existing Object Test

NCAT-61

PUT preconditions

NCAT-60

POST Create New Object Test

NCAT-59

29 of 29

GET List of Objects Test

NCAT-65

Add

Apps

Description

Add a description...

Tests

Add Tests

Trigger Build

View on board

Overall Execution Status

1 PASSED

TOTAL TESTS: 1

Only My Test Runs

Filters

10

Columns

Rank

Key

Summary

Test Type

Dataset

#Defects

Status

Actions

1

NCAT-48

GET List of Objects

Manual

0

PASSED

To Do

Improve work item

Details

Assignee

Krishna Vamsi

Reporter

Krishna Vamsi

Development

Create branch

Create commit

Labels

None

Start date

None

Priority

Medium

Test Plans

Open Test Plans

Test Environments

Open Test Environments

More fields

Original estimate

Time tracking

Components

Sprint

7.Dashboard View

- Sprint burndown chart
- Pie chart for Test Execution status

Admin Dashboard

Test Runs List: HP-Capstone-QE

Key	Test Execution Key	Summary	Test Execution Version	Test Execution Revision	Test Environment	Status
NCAT-15	NCAT-16	TC-LOGIN-001-Login with valid credentials				PASSED
NCAT-17	NCAT-18	TC-LOGIN-002-Login with invalid credentials				PASSED
NCAT-19	NCAT-20	TC-LOGIN-003-Leave login form blank				PASSED
NCAT-21	NCAT-22	TC-CUST-001-View Customer List				PASSED
NCAT-23	NCAT-24	TC-CUST-002-Search Customer by Email				PASSED
NCAT-25	NCAT-26	TC-CUST-003-Filter by Customer Role				PASSED
NCAT-27	NCAT-28	TC-ORD-001-View Order List				PASSED
NCAT-29	NCAT-30	TC-ORD-002-Filter by Order Status				PASSED
NCAT-31	NCAT-32	TC-LOGIN-004-Login with invalid credentials				FAILED
NCAT-33	NCAT-34	TC-CUST-004-View Customer List				FAILED

Test Evolution: NopCommerce Admin Testing - Past 24 hours

Show as Table

PASSED

TO DO

EXECUTING

FAILED

Total

16

14

12

10

8

6

4

2

0

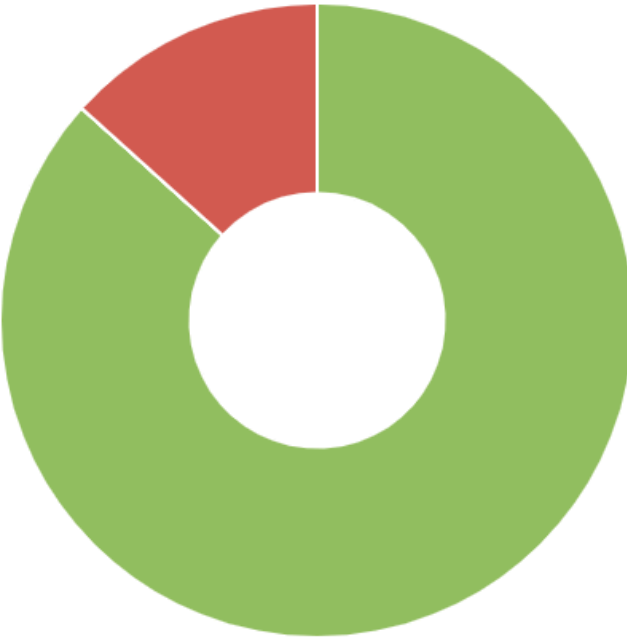
22-05-2025

23-05-2025

Overall Test Results: HP-Capstone-QE



Overall Test Results: HP-Capstone-QE



PASSED (13) TO DO (0) EXECUTING (0)  
FAILED (2) N/A (0)

Total Tests: 15