

# BlackBox Test Cases

## ProjectPulse

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## Contents

Manual Test Execution Logs – Functional Test Cases.....	3
TC-FF-01: Create and assign a task.....	3
TC-FF-02: Manage teams – add/remove member.....	4
TC-FF-03: Create project with milestones .....	5
TC-FF-04: Track priority chart .....	6
TC-FF-05: Comment on tasks and notify.....	7
TC-FF-06: Notification on status update.....	8
TC-FF-07: Schedule recurring task weekly.....	9
TC-FF-08: Update profile avatar & bio.....	10
TC-FF-09: Assign tags to a task.....	11
TC-FF-10: Update project timeline via Gantt chart.....	12
TC-FF-11: Filter project status dashboard.....	13
TC-FF-12: Upload files with version control.....	14
Equivalence Class Partitioning (ECP) Test Cases with Execution Logs .....	15
TC-ECP-01: Create task with valid title and due date .....	15
TC-ECP-02: Title too short.....	17
TC-ECP-03: Title too long .....	18
TC-ECP-04: Due date in the past .....	19

TC-ECP-05: Invalid date format .....	20
Boundary Value Analysis (BVA) Test Cases with Execution Logs .....	21
TC-BVA-01: Title at minimum length.....	21
TC-BVA-02: Title just below minimum.....	22
TC-BVA-03: Title at maximum length.....	23
TC-BVA-04: Title above maximum.....	25
TC-BVA-05: Recurrence interval = 1 day.....	26
TC-BVA-06: Recurrence interval = 0 days.....	27
TC-BVA-07: Recurrence interval = 30 days .....	28
TC-BVA-08: Recurrence interval = 31 days .....	29

# Manual Test Execution Logs – Functional Test Cases

## TC-FF-01: Create and assign a task

### Test Case

Field	Description
Test Case ID	TC-FF-01
User Story	US-001, US-002
Title	Manage Tasks: Create & assign a task
Pre-conditions	User & PM exist
Steps	1. Member creates task 2. PM assigns to “bob”
Test Data	Title=“Write spec” Assignee=bob
Expected Result	Task appears in Bob’s list; Bob gets notification

### Execution Log

Field	Description
Executed By	Tauha Imran
Date of Execution	2025-04-25
Environment	Chrome 123, React 18, Node 18, MongoDB Atlas
Actual Result	Task created successfully; Bob notified

<b>Status</b>	Passed
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<b>Remarks</b>	-
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## TC-FF-02: Manage teams – add/remove member

### Test Case

Field	Description
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<b>Test Case ID</b>	TC-FF-02
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<b>User Story</b>	US-005
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<b>Title</b>	Manage Teams: Add/remove team members
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<b>Pre-conditions</b>	Team “Alpha” exists
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<b>Steps</b>	1. Leader adds user “eve” 2. Removes user “dave”
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<b>Test Data</b>	Add: eve Remove: dave
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<b>Expected Result</b>	Eve is added to team; Dave is removed
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### Execution Log

Field	Description
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<b>Executed By</b>	Nabeed Haider
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<b>Date of Execution</b>	2025-04-25
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<b>Environment</b>	Chrome, React 18, Node 18, MongoDB
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<b>Actual Result</b>	Success messages shown; team updated
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-FF-03: Create project with milestones

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-03
<b>User Story</b>	US-004
<b>Title</b>	Create Projects: Define project with milestones
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Create project 2. Define milestones
<b>Test Data</b>	Project: Website Redesign
<b>Expected Result</b>	Project dashboard shows both milestones

### Execution Log

Field	Description
<b>Executed By</b>	Minahil Ali
<b>Date of Execution</b>	2025-04-25

<b>Environment</b>	Chrome, React, Node, MongoDB
<b>Actual Result</b>	Project dashboard updated with milestones
<b>Status</b>	Passed
<b>Remarks</b>	-

### TC-FF-04: Track priority chart

#### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-04
<b>User Story</b>	US-005
<b>Title</b>	Track Priority Chart: View priority distribution
<b>Pre-conditions</b>	Several tasks exist
<b>Steps</b>	Open “Priority Chart”
<b>Test Data</b>	-
<b>Expected Result</b>	Chart shows High/Med/Low priority task counts

#### Execution Log

Field	Description
<b>Executed By</b>	Tauha Imran

<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	Chrome, React, Node
<b>Actual Result</b>	High, Medium, Low bars rendered correctly
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-FF-05: Comment on tasks and notify

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-05
<b>User Story</b>	US-006
<b>Title</b>	Comment on Tasks: Add & notify users
<b>Pre-conditions</b>	Task “Test” exists
<b>Steps</b>	1. Comment “Done” 2. Mention @alice
<b>Test Data</b>	Comment: Done @alice
<b>Expected Result</b>	Alice receives notification; comment saved

### Execution Log

Field	Description
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<b>Executed By</b>	Nabeed Haider
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	Notification shown to Alice
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-FF-06: Notification on status update

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-06
<b>User Story</b>	US-007
<b>Title</b>	Notifications: On status update
<b>Pre-conditions</b>	Bob assigned to task
<b>Steps</b>	Alice marks Bob's task complete
<b>Test Data</b>	-
<b>Expected Result</b>	Bob receives "Task completed" notification

### Execution Log



Field	Description
<b>Executed By</b>	Minahil Ali
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	Bob's notification panel updated
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-FF-07: Schedule recurring task weekly

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-07
<b>User Story</b>	US-010
<b>Title</b>	Schedule Recurring Task: Weekly recurrence
<b>Pre-conditions</b>	PM logged in
<b>Steps</b>	1. Create task 2. Set recurrence=7 days 3. Save
<b>Test Data</b>	Interval=7
<b>Expected Result</b>	Task shows "Repeats every week"

### Execution Log

Field	Description
<b>Executed By</b>	Tauha Imran
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	Recurrence shown as "weekly"
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-FF-08: Update profile avatar & bio

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-08
<b>User Story</b>	US-008
<b>Title</b>	Update Profile: Change avatar and bio
<b>Pre-conditions</b>	User “carol” logged in
<b>Steps</b>	1. Go to Profile 2. Upload image + edit bio + save
<b>Test Data</b>	New avatar + bio text
<b>Expected Result</b>	Profile page shows updated avatar & bio

### Execution Log

Field	Description
<b>Executed By</b>	Minahil Ali
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	Chrome, React
<b>Actual Result</b>	Avatar and bio updated successfully
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-FF-09: Assign tags to a task

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-09
<b>User Story</b>	US-005
<b>Title</b>	Assign Tags to Tasks: Add multiple tags
<b>Pre-conditions</b>	Task exists
<b>Steps</b>	1. Open task detail 2. Add tags “UI”, “Urgent”
<b>Test Data</b>	Tags=UI, Urgent
<b>Expected Result</b>	Tags appear on task card

### Execution Log

Field	Description
<b>Executed By</b>	Nabeed Haider
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	Tags visible and saved
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-FF-10: Update project timeline via Gantt chart

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-10
<b>User Story</b>	US-005
<b>Title</b>	Update Project Timeline: Drag milestone
<b>Pre-conditions</b>	Project with tasks and milestones exists
<b>Steps</b>	1. Open Gantt view 2. Move milestone to new date
<b>Test Data</b>	New date=2025-06-15
<b>Expected Result</b>	Timeline updates and saves

### Execution Log

Field	Description
<b>Executed By</b>	Tauha Imran
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	Chrome, React
<b>Actual Result</b>	Timeline moved and saved successfully
<b>Status</b>	Passed
<b>Remarks</b>	-

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## TC-FF-11: Filter project status dashboard

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-11
<b>User Story</b>	US-009
<b>Title</b>	Analyze Dashboard: Filter by team/date
<b>Pre-conditions</b>	Multiple projects exist
<b>Steps</b>	1. Go to Dashboard 2. Filter Team=Alpha, Dates=Q2 2025
<b>Test Data</b>	Team=Alpha; 2025-04-01→06-30
<b>Expected Result</b>	Only Alpha's Q2 tasks appear in charts

### Execution Log

Field	Description
<b>Executed By</b>	Minahil Ali
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	Charts filtered correctly
<b>Status</b>	Passed
<b>Remarks</b>	-

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## TC-FF-12: Upload files with version control

### Test Case

Field	Description
<b>Test Case ID</b>	TC-FF-12
<b>User Story</b>	US-008
<b>Title</b>	Upload Files on Tasks: Versioned uploads
<b>Pre-conditions</b>	Task exists
<b>Steps</b>	1. Upload v1.docx 2. Upload v2.docx
<b>Test Data</b>	Files: v1 + v2
<b>Expected Result</b>	Both versions listed; v2 marked latest

### Execution Log

Field	Description
<b>Executed By</b>	Nabeed Haider
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	Version control worked correctly
<b>Status</b>	Passed
<b>Remarks</b>	-

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## Equivalence Class Partitioning (ECP) Test Cases with Execution Logs

TC-ECP-01: Create task with valid title and due date

**Test Case**

Field	Description
<b>Test Case ID</b>	TC-ECP-01
<b>User Story</b>	US-001
<b>Title</b>	Create task with valid inputs
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Enter task title & due date 2. Click submit
<b>Test Data</b>	Title: Design UI Due Date: 2025-05-01
<b>Expected Result</b>	Task is created and listed

#### Execution Log

Field	Description
<b>Executed By</b>	Minahil Ali
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	Chrome, React, Node, MongoDB
<b>Actual Result</b>	Task created successfully
<b>Status</b>	Passed
<b>Remarks</b>	-



## TC-ECP-02: Title too short

### Test Case

Field	Description
<b>Test Case ID</b>	TC-ECP-02
<b>User Story</b>	US-001
<b>Title</b>	Reject short task title
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Enter title: "UI" 2. Submit
<b>Test Data</b>	Title: UI Due Date: 2025-05-01
<b>Expected Result</b>	Error: “Title must be 5–50 characters”

### Execution Log

Field	Description
<b>Executed By</b>	Nabeed Haider
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	Validation error displayed
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-ECP-03: Title too long

### Test Case

Field	Description
<b>Test Case ID</b>	TC-ECP-03
<b>User Story</b>	US-001
<b>Title</b>	Reject long task title
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Enter title: 60 chars 2. Submit
<b>Test Data</b>	Title: (60 characters) Due Date: 2025-05-01
<b>Expected Result</b>	Error: “Title must be 5–50 characters”

### Execution Log

Field	Description
<b>Executed By</b>	Tauha Imran
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	Error shown as expected

<b>Status</b>	Passed
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<b>Remarks</b>	-
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## TC-ECP-04: Due date in the past

### Test Case

Field	Description
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<b>Test Case ID</b>	TC-ECP-04
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<b>User Story</b>	US-001
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<b>Title</b>	Reject past due date
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<b>Pre-conditions</b>	User logged in
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<b>Steps</b>	1. Enter due date: 2025-04-20 2. Submit
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<b>Test Data</b>	Title: Test Task Due Date: 2025-04-20
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<b>Expected Result</b>	Error: “Due date cannot be before today”
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### Execution Log

Field	Description
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<b>Executed By</b>	Minahil Ali
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<b>Date of Execution</b>	2025-04-25
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<b>Environment</b>	React, Node
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<b>Actual Result</b>	Validation blocked submission
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-ECP-05: Invalid date format

### Test Case

Field	Description
<b>Test Case ID</b>	TC-ECP-05
<b>User Story</b>	US-001
<b>Title</b>	Reject invalid date format
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Enter date: "01-05-25" 2. Submit
<b>Test Data</b>	Title: Test TaskDue Date: "01-05-25"
<b>Expected Result</b>	Error: "Invalid date format"

### Execution Log

Field	Description
<b>Executed By</b>	Tauha Imran
<b>Date of Execution</b>	2025-04-25

<b>Environment</b>	React
<b>Actual Result</b>	Format error triggered
<b>Status</b>	Passed
<b>Remarks</b>	-

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## Boundary Value Analysis (BVA) Test Cases with Execution Logs

TC-BVA-01: Title at minimum length

### Test Case

Field	Description
<b>Test Case ID</b>	TC-BVA-01

<b>User Story</b>	US-001
<b>Title</b>	Task title length = 5 (minimum)
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Enter title: AbcdE 2. Submit
<b>Test Data</b>	Title: AbcdE
<b>Expected Result</b>	Task is created

#### Execution Log

Field	Description
<b>Executed By</b>	Nabeed Haider
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React
<b>Actual Result</b>	Task created successfully
<b>Status</b>	Passed
<b>Remarks</b>	-

#### TC-BVA-02: Title just below minimum

##### Test Case

Field	Description
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<b>Test Case ID</b>	TC-BVA-02
<b>User Story</b>	US-001
<b>Title</b>	Task title length = 4 (just below minimum)
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Enter title: Abcd 2. Submit
<b>Test Data</b>	Title: Abcd
<b>Expected Result</b>	Error for short title

#### Execution Log

Field	Description
<b>Executed By</b>	Minahil Ali
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React
<b>Actual Result</b>	Validation blocked form
<b>Status</b>	Passed
<b>Remarks</b>	-

#### TC-BVA-03: Title at maximum length

##### Test Case

Field	Description
<b>Test Case ID</b>	TC-BVA-03
<b>User Story</b>	US-001
<b>Title</b>	Task title length = 50 (maximum)
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Enter 50-character title 2. Submit
<b>Test Data</b>	Title: [50 characters]
<b>Expected Result</b>	Task is created

#### Execution Log

Field	Description
<b>Executed By</b>	Tauha Imran
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React
<b>Actual Result</b>	Task accepted
<b>Status</b>	Passed
<b>Remarks</b>	-



## TC-BVA-04: Title above maximum

### Test Case

Field	Description
<b>Test Case ID</b>	TC-BVA-04
<b>User Story</b>	US-001
<b>Title</b>	Task title length = 51 (just above maximum)
<b>Pre-conditions</b>	User logged in
<b>Steps</b>	1. Enter 51-character title 2. Submit
<b>Test Data</b>	Title: [51 characters]
<b>Expected Result</b>	Error for long title

### Execution Log

Field	Description
<b>Executed By</b>	Nabeed Haider
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React
<b>Actual Result</b>	Length error shown
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-BVA-05: Recurrence interval = 1 day

### Test Case

Field	Description
<b>Test Case ID</b>	TC-BVA-05
<b>User Story</b>	US-010
<b>Title</b>	Recurrence interval = 1 (minimum)
<b>Pre-conditions</b>	PM logged in
<b>Steps</b>	1. Create task 2. Set interval: 1
<b>Test Data</b>	Interval: 1
<b>Expected Result</b>	Task recurs daily

### Execution Log

Field	Description
<b>Executed By</b>	Tauha Imran
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React, Node
<b>Actual Result</b>	"Repeats every day" shown
<b>Status</b>	Passed

<b>Remarks</b>	-
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## TC-BVA-06: Recurrence interval = 0 days

### Test Case

Field	Description
<b>Test Case ID</b>	TC-BVA-06
<b>User Story</b>	US-010
<b>Title</b>	Recurrence interval = 0 (below minimum)
<b>Pre-conditions</b>	PM logged in
<b>Steps</b>	1. Set interval: 0
<b>Test Data</b>	Interval: 0
<b>Expected Result</b>	Error: "Interval must be 1–30 days"

### Execution Log

Field	Description
<b>Executed By</b>	Minahil Ali
<b>Date of Execution</b>	2025-04-25
<b>Environment</b>	React
<b>Actual Result</b>	Validation error displayed

<b>Status</b>	Passed
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<b>Remarks</b>	-
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## TC-BVA-07: Recurrence interval = 30 days

### Test Case

Field	Description
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<b>Test Case ID</b>	TC-BVA-07
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<b>User Story</b>	US-010
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<b>Title</b>	Recurrence interval = 30 (maximum)
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<b>Pre-conditions</b>	PM logged in
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<b>Steps</b>	1. Set interval: 30
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<b>Test Data</b>	Interval: 30
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<b>Expected Result</b>	Task recurs monthly
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### Execution Log

Field	Description
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<b>Executed By</b>	Nabeed Haider
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<b>Date of Execution</b>	2025-04-25
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<b>Environment</b>	React
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<b>Actual Result</b>	"Repeats every 30 days" shown
<b>Status</b>	Passed
<b>Remarks</b>	-

## TC-BVA-08: Recurrence interval = 31 days

### Test Case

Field	Description
<b>Test Case ID</b>	TC-BVA-08
<b>User Story</b>	US-010
<b>Title</b>	Recurrence interval = 31 (above maximum)
<b>Pre-conditions</b>	PM logged in
<b>Steps</b>	1. Set interval: 31
<b>Test Data</b>	Interval: 31
<b>Expected Result</b>	Error for invalid interval

### Execution Log

Field	Description
<b>Executed By</b>	Tauha Imran
<b>Date of Execution</b>	2025-04-25

<b>Environment</b>	React
<b>Actual Result</b>	Validation blocked with error
<b>Status</b>	Passed
<b>Remarks</b>	-