

# **Dynamic Project Management Board — Micro Frontends**

Tailored User Stories (Card Style)

October 20, 2025

## **Contents**

## A. Board View Micro Frontend

<b>Epic / Feature</b>	Board Configuration
<b>Business Value</b>	Establish workflow visualization with enforced WIP to reduce overload and cycle time
<b>Priority / Estimate</b>	Priority: Must SP: 3
<b>Persona</b>	Board Admin
<b>Dependencies</b>	Build tooling, column schema, policy checks
<b>Assumptions / Risks</b>	Duplicate names avoided; risk of initial misconfiguration mitigated with rename/archive

**Story** *As a Board Admin, I want to Create Columns & Define WIP Limits so that Establish workflow visualization with enforced WIP to reduce overload and cycle time.*

**Non-Functional** Performance Security Reliability Accessibility

### Acceptance Criteria (BDD)

**Scenario** Happy path

**Given** an empty board is available

**When** I add a column named *In Progress* and set WIP=3

**Then** the column appears; WIP badge displays; reorder persists after refresh

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

### Tasks

- ☐ Schema: column model (id, name, order, wipLimit, archivedAt).
- ☐ UI: header actions (Add, Rename, Reorder via drag, Archive).
- ☐ Persist: POST/PUT/PATCH endpoints or federated API contract.
- ☐ Validation: prevent duplicates within a board; soft delete columns.
- ☐ WIP indicator: visual badge and ARIA announcement on exceed.

<b>Epic / Feature</b>	Card Movement
<b>Business Value</b>	Fast status changes with optimistic updates to improve collaboration
<b>Priority / Estimate</b>	Priority: Must SP: 5
<b>Persona</b>	Team Member
<b>Dependencies</b>	Server PATCH for status; event bus for broadcasts
<b>Assumptions / Risks</b>	WIP enforcement is advisory; rollback on failure to avoid inconsistency

**Story** *As a Team Member, I want to Drag-and-Drop Cards Across Columns so that Fast status changes with optimistic updates to improve collaboration.*

**Non-Functional** Performance Reliability Accessibility

### Acceptance Criteria (BDD)

**Scenario** Optimistic update

**Given** a card is in *Todo*

**When** I drop it in *In Progress*

**Then** status updates immediately; on failure the UI rolls back with an error

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

### Tasks

- ☐ Integrate drag library with keyboard support (Space/Enter to pick/place).
- ☐ Optimistic mutation and rollback logic.
- ☐ PATCH /cards/{id} status change.
- ☐ Real-time broadcast to other clients.

**Epic / Feature** Discoverability  
**Business Value** Quickly surface relevant work for stakeholders; sharable default views  
**Priority / Estimate** Priority: Should SP: 5  
**Persona** Product Manager  
**Dependencies** Saved views API; permissions  
**Assumptions / Risks** Links need stability across releases; avoid leaking private filters

**Story** As a Product Manager, I want to Board Filters & Saved Views so that Quickly surface relevant work for stakeholders; sharable default views.

**Non-Functional** Performance Security Reliability Accessibility

### Acceptance Criteria (BDD)

**Scenario** Saved view

**Given** filters are applied

**When** I click "Save View" and share the link

**Then** others opening the link see the same filters if they have access

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

### Tasks

- ☐ Filter builder component; URL-encoded query state.
- ☐ Saved views API (create/update/delete, permissions).
- ☐ Share links with short IDs and access checks.

**Epic / Feature** Performance  
**Business Value** Maintain smooth scrolling on columns with hundreds of cards  
**Priority / Estimate** Priority: Must SP: 8  
**Persona** Team Member  
**Dependencies** Virtualization library; measurement utilities  
**Assumptions / Risks** Risk of jank on resize; recycle DOM nodes

**Story** As a Team Member, I want to High-Density Virtualized Card List so that Maintain smooth scrolling on columns with hundreds of cards.

**Non-Functional** Performance Reliability

**Acceptance Criteria (BDD)**

**Scenario** Virtualized scroll

**Given** 1,500 cards exist in a column

**When** I scroll continuously

**Then** frames remain  $\geq 50$  FPS; virtualization recalculates on resize

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/a11y checks; Docs updated; Deployed/flagged.

**Tasks**

- ☐ Windowed list + item measurement; shimmer placeholders for offscreen items.
- ☐ Prefetch next viewport page; recycle DOM nodes.
- ☐ Performance budget doc and profiler checkpoints.

**Epic / Feature** Accessibility  
**Business Value** Enable efficient mouseless use and screen reader support  
**Priority / Estimate** Priority: Must SP: 3  
**Persona** Keyboard/Screen Reader User  
**Dependencies** Shortcut map; ARIA roles; focus management  
**Assumptions / Risks** Accessibility regressions prevented via automated checks

**Story** As a Keyboard/Screen Reader User, I want to Keyboard Navigation & A11y so that Enable efficient mouseless use and screen reader support.

**Non-Functional** Accessibility Reliability

**Acceptance Criteria (BDD)**

**Scenario** Keyboard flow

**Given** focus is on a card

**When** I use Arrow keys and shortcuts

**Then** focus moves appropriately; quick edit opens with “E”; actions are announced

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/a11y checks; Docs updated; Deployed/flagged.

**Tasks**

- ☐ Focus ring management; roving `tabindex`.
- ☐ ARIA roles for lists, items, and drag regions.
- ☐ Keyboard help overlay; automated a11y tests.

<b>Epic / Feature</b>	Visualization
<b>Business Value</b>	Scan workload distribution via lane grouping
<b>Priority / Estimate</b>	Priority: Could SP: 3
<b>Persona</b>	Scrum Master
<b>Dependencies</b>	Group-by transformer; totals per lane
<b>Assumptions / Risks</b>	Consistency maintained under concurrent updates

**Story** *As a Scrum Master, I want to Swimlanes (Group by Assignee/Priority) so that Scan workload distribution via lane grouping.*

**Non-Functional** Performance Reliability

#### Acceptance Criteria (BDD)

**Scenario** Lane toggle

**Given** a board is open

**When** I toggle swimlanes by Assignee

**Then** columns render rows per assignee; filters remain respected

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Group-by transformer with virtualization across lanes.
- ☐ Lane headers with totals and collapse/expand.
- ☐ Update counts on events.

## B. Task Details Micro Frontend

**Epic / Feature** Task Viewer  
**Business Value** Quick context without leaving the board via modal/side panel  
**Priority / Estimate** Priority: Must SP: 3  
**Persona** Team Member  
**Dependencies** Router integration; deep link patterns  
**Assumptions / Risks** Return focus to invoking card; ensure responsive layout

**Story** *As a Team Member, I want to Open Task in Modal/Side Panel so that Quick context without leaving the board via modal/side panel.*

**Non-Functional** Performance Accessibility Reliability

**Acceptance Criteria (BDD)**

**Scenario** Open panel

**Given** a card exists

**When** I click the card or navigate to /task/{id}

**Then** panel opens with title, status, assignee, tags, due date

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Router state + deep linking.
- ☐ Fetch task + relations; skeleton loading.
- ☐ Close/escape handling and focus management.

**Epic / Feature** Task Editing  
**Business Value** Keep task details accurate with markdown preview  
**Priority / Estimate** Priority: Must SP: 5  
**Persona** Team Member  
**Dependencies** PATCH endpoints; sanitizer  
**Assumptions / Risks** Prevent XSS via markdown; enforce CSP

**Story** *As a Team Member, I want to Edit Core Fields & Markdown Description so that Keep task details accurate with markdown preview.*

**Non-Functional** Security Reliability Performance

**Acceptance Criteria (BDD)**

**Scenario** Inline edit

**Given** edit mode is enabled

**When** I update title/status and toggle preview

**Then** changes save; markdown renders (headings, code, links)

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Inline editable fields with validation.
- ☐ Markdown editor with preview; sanitize HTML.
- ☐ Optimistic update and error handling.

**Epic / Feature** Task Structure  
**Business Value** Track granular work through subtasks and checklists  
**Priority / Estimate** Priority: Should SP: 5  
**Persona** QA Engineer  
**Dependencies** Subtask model; progress calc  
**Assumptions / Risks** Concurrent edits must resolve deterministically

**Story** As a QA Engineer, I want to Checklists & Subtasks so that Track granular work through subtasks and checklists.

**Non-Functional** Reliability Performance

### Acceptance Criteria (BDD)

**Scenario** Progress

**Given** a task exists

**When** I add subtasks and mark items complete

**Then** parent shows progress % on card and panel

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Subtask CRUD and ordering.
- ☐ Checklist component with keyboard support.
- ☐ Progress calculation and display.

**Epic / Feature** Collaboration  
**Business Value** Enable in-context collaboration via mentions and uploads  
**Priority / Estimate** Priority: Should SP: 3  
**Persona** Developer  
**Dependencies** Mention typeahead; upload pipeline  
**Assumptions / Risks** GDPR/PII controls for images and text

**Story** As a Developer, I want to Comments with @Mentions & Attachments so that Enable in-context collaboration via mentions and uploads.

**Non-Functional** Security Reliability Performance

### Acceptance Criteria (BDD)

**Scenario** Mention & upload

**Given** the comment box is focused

**When** I type @ and select a user; I upload a file

**Then** mention resolves and notifies; file appears with preview/download

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Rich comment input with typeahead.
- ☐ Upload component with progress; resumable on blips.
- ☐ Webhooks to Notifications for mentions.

<b>Epic / Feature</b>	Task Relationships
<b>Business Value</b>	Coordinate sequencing and avoid rework
<b>Priority / Estimate</b>	Priority: Could SP: 3
<b>Persona</b>	Project Manager
<b>Dependencies</b>	Relation types blocks/blockedBy/duplicateOf/relatesTo
<b>Assumptions / Risks</b>	Integrity checks to prevent circular relations

**Story** *As a Project Manager, I want to Relations: Dependencies, Duplicates, Links so that Coordinate sequencing and avoid rework.*

**Non-Functional** Reliability

**Acceptance Criteria (BDD)**

**Scenario** Relations

**Given** a task is open

**When** I add a “blocked by” relation and a duplicate link

**Then** badges show with tooltips; both tasks cross-link

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Badges with tooltips and click-through.
- ☐ Relation CRUD and integrity checks.
- ☐ Analytics hook to exclude blocked time (later).

## C. Analytics Dashboard Micro Frontend



**Epic / Feature** Core Charts  
**Business Value** Forecast capacity with completed-per-week and sprint velocity  
**Priority / Estimate** Priority: Should SP: 5  
**Persona** Engineering Manager  
**Dependencies** Aggregation API; chart components  
**Assumptions / Risks** Timezone/locale aware bucketing; export options

**Story** As a Engineering Manager, I want to Throughput & Velocity Charts so that Forecast capacity with completed-per-week and sprint velocity.

**Non-Functional** Performance Accessibility Reliability

#### Acceptance Criteria (BDD)

**Scenario** Throughput over 12 weeks

**Given** a date range is selected

**When** I choose last 12 weeks

**Then** bar chart renders weekly totals; velocity shows points per sprint when enabled

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Completed tasks by week aggregation.
- ☐ Chart export (PNG/CSV); data table for screen readers.
- ☐ Access control by board.

**Epic / Feature** Flow Metrics  
**Business Value** Spot variability and bottlenecks using distributions and percentiles  
**Priority / Estimate** Priority: Must SP: 8  
**Persona** Process Lead  
**Dependencies** Event timestamps per status; histogram/scatter charts  
**Assumptions / Risks** Outlier toggles should recompute metrics accurately

**Story** As a Process Lead, I want to Lead & Cycle Time Analysis so that Spot variability and bottlenecks using distributions and percentiles.

**Non-Functional** Performance Reliability

#### Acceptance Criteria (BDD)

**Scenario** Cycle time P50/P85/P95

**Given** statuses are selected

**When** I compute cycle time from “In Progress” to “Done”

**Then** percentiles display; outlier toggle recomputes

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Cycle time computation service.
- ☐ Charts for histogram and scatter.
- ☐ Validation against sample dataset.

**Epic / Feature** Flow Metrics  
**Business Value** Monitor WIP stability across statuses over time  
**Priority / Estimate** Priority: Should SP: 5  
**Persona** Scrum Master  
**Dependencies** Daily snapshots or backfilled timeseries  
**Assumptions / Risks** Colorblind-safe palette and print-friendly mode

**Story** As a Scrum Master, I want to Cumulative Flow Diagram (CFD) so that Monitor WIP stability across statuses over time.

**Non-Functional** Performance Accessibility

### Acceptance Criteria (BDD)

**Scenario** 90-day CFD

**Given** a board is selected

**When** I view CFD for last 90 days

**Then** stacked areas show counts per status; toggling a status updates chart and legend

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Timeseries generation from events.
- ☐ Stacked area chart with hover and legend.
- ☐ Export and print styles.

**Epic / Feature** Insights  
**Business Value** Raise automated flags when thresholds are exceeded  
**Priority / Estimate** Priority: Could SP: 3  
**Persona** Delivery Lead  
**Dependencies** Rule engine for WIP% and stagnation hours  
**Assumptions / Risks** False positives must be < 5% on benchmark

**Story** As a Delivery Lead, I want to Bottleneck Detector & WIP Alerts so that Raise automated flags when thresholds are exceeded.

**Non-Functional** Reliability Performance

### Acceptance Criteria (BDD)

**Scenario** WIP threshold

**Given** WIP limit=3

**When** a column has 5 items for > 24h

**Then** an alert appears and links to offending items

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Rule engine with thresholds and tuning.
- ☐ Alert list and drill-through.
- ☐ Push summaries to Notifications.

**Epic / Feature** Reporting  
**Business Value** Deliver scheduled PDFs/CSVs with key metrics securely  
**Priority / Estimate** Priority: Could SP: 5  
**Persona** Executive  
**Dependencies** Report templates; scheduler; secure links  
**Assumptions / Risks** Role-restricted; links expire in 7 days

**Story** *As a Executive, I want to Stakeholder Reports & Scheduling so that Deliver scheduled PDFs/CSVs with key metrics securely.*

**Non-Functional** Security Reliability

#### Acceptance Criteria (BDD)

**Scenario** Weekly delivery

**Given** a saved report exists

**When** I schedule weekly delivery

**Then** recipients receive the email with attachments; restricted boards are excluded

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Render reports; email via trusted provider.
- ☐ DMARC/DKIM alignment; unsub links and GDPR compliance.
- ☐ Job logs and failure notifications.

## D. User Management Micro Frontend

**Epic / Feature** Access Control  
**Business Value** Control who can see and modify boards via role assignment  
**Priority / Estimate** Priority: Must SP: 3  
**Persona** Org Admin  
**Dependencies** Invite flow; tokenized links; role matrix  
**Assumptions / Risks** Audit all grants/revokes with actor and timestamp

**Story** As a Org Admin, I want to Invite Members & Assign Roles so that Control who can see and modify boards via role assignment.

**Non-Functional** Security Reliability

#### Acceptance Criteria (BDD)

**Scenario** Invitation

**Given** an email address is provided

**When** I send an invite with a role

**Then** the user receives a link to join; role takes effect immediately on acceptance

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Invite flow with tokenized links and expiry.
- ☐ Role definitions and policy checks across MFEs.
- ☐ Audit log view.

**Epic / Feature** Access Control  
**Business Value** Enforce governance for create/edit/move/delete actions  
**Priority / Estimate** Priority: Must SP: 5  
**Persona** Board Admin  
**Dependencies** Policy matrix (role × action); server enforcement  
**Assumptions / Risks** No client-only enforcement; cache policy checks

**Story** As a Board Admin, I want to Board-Level Permissions so that Enforce governance for create/edit/move/delete actions.

**Non-Functional** Security Reliability

#### Acceptance Criteria (BDD)

**Scenario** Policy gating

**Given** a Contributor lacks column-edit rights

**When** they view the board

**Then** column actions are disabled/hidden; attempted move is blocked with rationale

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Policy matrix and conditional rendering.
- ☐ Server-side checks; client flags driven by policy.
- ☐ E2E tests for blocked actions.

**Epic / Feature** Identity  
**Business Value** Centralize authentication and provisioning  
**Priority / Estimate** Priority: Should SP: 8  
**Persona** IT Admin  
**Dependencies** OIDC/SAML config UI; SCIM jobs  
**Assumptions / Risks** Break-glass admin accounts for IdP failures

**Story** As a IT Admin, I want to SSO Integration (OIDC/SAML) so that Centralize authentication and provisioning.

**Non-Functional** Security Reliability

**Acceptance Criteria (BDD)**

**Scenario** SSO login

**Given** OIDC config is enabled

**When** a user signs in

**Then** authentication occurs via IdP; SCIM deprovision revokes access within 15 minutes

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Metadata upload and validation.
- ☐ SCIM sync jobs; deprovision hooks.
- ☐ Admin alerts on failures.

**Epic / Feature** Governance  
**Business Value** Restrict edits to sensitive fields and record audits  
**Priority / Estimate** Priority: Should SP: 5  
**Persona** Compliance Lead  
**Dependencies** Field policy registry; audit trail  
**Assumptions / Risks** PII masking where required

**Story** As a Compliance Lead, I want to Field-Level Permissions so that Restrict edits to sensitive fields and record audits.

**Non-Functional** Security Reliability

**Acceptance Criteria (BDD)**

**Scenario** Restricted field

**Given** a field is restricted

**When** a user without rights attempts to edit

**Then** field renders read-only; change attempts are rejected and logged

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Field policy registry and UI enforcement.
- ☐ Audit emission on changes.
- ☐ Summaries available to Analytics.

<b>Epic / Feature</b>	Collaboration
<b>Business Value</b>	Share boards with teams and manage access at scale
<b>Priority / Estimate</b>	Priority: Could SP: 3
<b>Persona</b>	Team Lead
<b>Dependencies</b>	Team directory; share dialog; membership listeners
<b>Assumptions / Risks</b>	Propagation latency $\leq 5$ minutes across MFEs

**Story** *As a Team Lead, I want to Team & Board Sharing so that Share boards with teams and manage access at scale.*

**Non-Functional** Reliability

**Acceptance Criteria (BDD)**

**Scenario** Share with team

**Given** a team is selected

**When** I share a board with role=Viewer

**Then** all members can view; membership changes update access within 5 minutes

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Share dialog with search and team selection.
- ☐ Membership listeners to update effective permissions.
- ☐ Board view permission enforcement.

## E. Notifications Micro Frontend

**Epic / Feature** Realtime UX  
**Business Value** Stay aware of changes without losing context  
**Priority / Estimate** Priority: Must SP: 3  
**Persona** Any User  
**Dependencies** WebSocket/SSE client; event bus  
**Assumptions / Risks** Rate limit to avoid noise; screen reader announcements

**Story** As a Any User, I want to Real-Time Toasts for Key Events so that Stay aware of changes without losing context.

**Non-Functional** Performance Accessibility Reliability

#### Acceptance Criteria (BDD)

**Scenario** Toast on card move

**Given** another user moves a card while I'm viewing the board

**When** an event is received

**Then** a toast appears with a deep link to the card

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

#### Tasks

- ☐ Event bus integration.
- ☐ Toast queue with dedupe and focus management.
- ☐ Test end-to-end latency  $\leq 2s$  p95.

**Epic / Feature** Audit & Review  
**Business Value** Audit changes and review progress by actor/action/date/board  
**Priority / Estimate** Priority: Should SP: 5  
**Persona** Project Manager  
**Dependencies** Feed API with pagination and filters  
**Assumptions / Risks** Immutable event storage once written

**Story** As a Project Manager, I want to Activity Feed with Filters so that Audit changes and review progress by actor/action/date/board.

**Non-Functional** Performance Reliability

#### Acceptance Criteria (BDD)

**Scenario** Filter feed

**Given** filters are set to action='status-changed'

**When** I scroll the list

**Then** only matching entries show; older entries load as I scroll

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Endpoint with pagination and indexes.
- ☐ UI with saved filters and deep links.
- ☐ Access-scoped results.

**Epic / Feature** Channels  
**Business Value** Immediate emails for mentions and daily digest of changes  
**Priority / Estimate** Priority: Could SP: 3  
**Persona** Stakeholder  
**Dependencies** Templates; scheduler; unsubscribe links  
**Assumptions / Risks** Comply with GDPR and CAN-SPAM; DMARC aligned

**Story** As a Stakeholder, I want to Email & Digest Notifications so that Immediate emails for mentions and daily digest of changes.

**Non-Functional** Security Reliability

### Acceptance Criteria (BDD)

**Scenario** Digest

**Given** preference is set to Daily 9am

**When** the scheduler runs

**Then** a summary email is delivered with links to items

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Definition of Done:** All ACs pass; Tests green; Security/all checks; Docs updated; Deployed/flagged.

## Tasks

- ☐ Localized templates (mention, digest).
- ☐ Scheduler for digests; secure downloads with expiry.
- ☐ Delivery monitoring and logs.

**Epic / Feature** Channels  
**Business Value** Post board updates to team chat and provide slash commands  
**Priority / Estimate** Priority: Should SP: 5  
**Persona** Team Member  
**Dependencies** OAuth install; outgoing webhooks; slash command endpoint  
**Assumptions / Risks** Verify signing secrets; conform to rate limits

**Story** As a Team Member, I want to Slack/MS Teams Integrations so that Post board updates to team chat and provide slash commands.

**Non-Functional** Security Reliability

### Acceptance Criteria (BDD)

**Scenario** Assignment message

**Given** a channel is connected



**When** a card is assigned to me

**Then** a message posts with a deep link; /board search returns results

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Defini-**

**tion of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

### Tasks

- ☐ App manifest and credentials.
- ☐ Webhook handlers and slash commands.
- ☐ Retry with backoff and signature verification.

**Epic / Feature** Personalization

**Business Value** Let users configure events and channels to minimize noise

**Priority / Estimate** Priority: Could SP: 5

**Persona** Any User

**Dependencies** Preferences storage; rule builder

**Assumptions / Risks** Prevent rule loops; sync across sessions within 5s

**Story** *As a Any User, I want to Notification Preferences & Rules so that Let users configure events and channels to minimize noise.*

**Non-Functional** Reliability Performance

**Acceptance Criteria (BDD)**

**Scenario** Preference toggle

**Given** preferences are open

**When** I disable “card moved” toasts and add a rule “due date change on my tasks → email”

**Then** I no longer see those toasts; emails trigger on rule

**Definition of Ready:** Persona clear; AC drafted; Dependencies known; Estimate set. • **Defini-**

**tion of Done:** All ACs pass; Tests green; Security/allly checks; Docs updated; Deployed/flagged.

### Tasks

- ☐ Per-channel toggles; cached reads, debounced writes.
- ☐ Rule builder: conditions (actor, field, board, label) and actions (toast, email, webhook).
- ☐ Sandbox rule execution to avoid loops.