TaskBoard PRD (2026-02-09)

Part 1: Basic Information

Title

TaskBoard

Terminology

Term	Definition
Board	A Kanban-style project workspace containing columns and task cards
Column	A vertical list on the board representing a task status (e.g., To Do, In Progress, Done)
Card	A task item displayed on the board that can be dragged between columns
Label	A color-coded tag attached to tasks for categorization (e.g., Bug, Feature, Design)
Assignee	The team member responsible for completing a task
WIP Limit	Work In Progress limit - maximum number of cards allowed in a column
Swimlane	A horizontal division on the board for grouping cards by category or assignee
Backlog	A holding area for tasks that are planned but not yet moved to the active board
Blocker	A task dependency or issue preventing progress on the current task
Sprint	An optional time-boxed period for organizing tasks (not enforced)

Project Information

Description

TaskBoard is a lightweight, mobile-first project management platform centered around Kanban boards. It enables project owners to organize work visually, assign tasks to team members, and track progress in real-time. The platform focuses on simplicity and real-time collaboration without the complexity of traditional enterprise PM tools.

Goals

1. Provide a simple, intuitive Kanban board experience with real-time synchronization across all users
2. Enable project owners to track team progress through automated dashboards and completion metrics
3. Facilitate team collaboration through task comments, file attachments, and notification-driven workflows

User Types

- **Project Owner**: Creates and manages projects, builds Kanban boards, creates and assigns tasks, invites team members, monitors project progress via dashboard

- **Team Member**: Views assigned tasks, creates tasks, updates task status by dragging cards, adds comments and file attachments, creates sub-tasks, logs time on tasks, receives notifications for assignments and deadlines
- **Admin**: Manages all users and projects, monitors system usage analytics, configures system settings

User Relationships

- Project Owner → Projects: 1:N (one owner manages multiple projects)
- Project Owner → Team Members: 1:N (one owner invites multiple members per project)
- Team Member → Projects: N:M (one member belongs to multiple projects)
- Team Member → Tasks: 1:N (one member is assigned multiple tasks)

Project Type

- Mobile App (React Native) - Project Owner & Team Member
- Web App (React Webview) - Alternative access for Project Owner & Team Member
- Admin Dashboard (React) - Admin management interface
- Backend API (NestJS / Django) - Team member chooses based on their stack

System Modules (Step-by-step Flows)

Module 1 - Project Creation (Project Owner)

1. Project Owner taps "New Project" button
2. Owner enters project title, description, and deadline
3. Owner selects Kanban template (Default: To Do, In Progress, Review, Done) or creates custom columns
4. System creates the project with the selected board template
5. Owner invites team members via email
6. Team members receive invitation notification and join the project
7. Project appears in both owner's and members' project list

Module 2 - Task Management (Project Owner / Team Member)

1. User opens a project board
2. Any user (Owner or Member) creates a new task card in a column by tapping "+" button
3. User fills in task details: title, description, assignee, priority (Low/Medium/High/Urgent), due date, labels
4. User can add sub-tasks (checklist items) within the task
5. Assigned team member receives push notification
6. Team member drags task card between columns to update status
7. System updates task status in real-time via WebSocket and notifies relevant users
8. Users can add threaded comments, file attachments, and log time spent on the task

Module 3 - Kanban Board Real-Time Interaction

1. User opens project board
2. Board displays columns with task cards sorted by priority
3. User drags a card from one column to another
4. System broadcasts the change to all connected users via WebSocket
5. All users viewing the board see the change instantly without refresh
6. If a column has a WIP limit and it's reached, system shows a warning before allowing the move
7. Board auto-saves all changes

Module 4 - Progress Tracking (Project Owner)

1. Owner opens project dashboard
2. System displays overall completion percentage (Done tasks / Total tasks)
3. Dashboard shows: overdue tasks count, tasks per status bar chart, member workload distribution, total time logged
4. Owner can filter by date range, assignee, or priority
5. Owner can export project report as CSV

Module 5 - Calendar View (All App Users)

1. User navigates to Calendar View (toggle on Board View header)
2. System displays a monthly calendar with task cards placed on their due dates
3. Tasks are color-coded by priority
4. User can tap a date to see all tasks due that day
5. User can tap a task to open Task Detail Page
6. User can drag tasks to different dates to change due dates (Owner only)
7. Week/Month toggle for different views

3rd Party API List

- Google OAuth: Social login authentication for user signup/login
- SendGrid: Email notifications for invitations, deadline reminders, and daily digest
- AWS S3: File attachment storage for documents and images uploaded to tasks

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Part 2: User Application PRD

User Types: Project Owner, Team Member

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1. Common

Splash Page

- Design: TaskBoard logo with Professional Blue (#4A90D9) background
- Auto-login check: If valid token exists, redirect to main screen
- If no valid token, redirect to Login Page

Login Page

- **Input**:
  - Email address (text input)
  - Password (password input, with show/hide toggle)
- **Social Login Buttons**:
  - "Continue with Google" (Google OAuth)
- **Next Action**:
  - Validate email format and password is not empty
  - On success: Redirect to Projects List (Home)
  - On failure: Display error message ("Invalid email or password")
  - "Forgot Password?" link → Forgot Password Page
  - "Don't have an account? Sign Up" link → Sign Up Page

Forgot Password Page

- **Main**
  - Input: Email address
  - Action: "Send Reset Link" button
  - System sends password reset email via SendGrid
  - Success message: "Password reset link sent to your email"
- **Reset Password Page** (accessed via email link)
  - Input: New password, Confirm new password
  - Validation: Minimum 8 characters, must match
  - On success: "Password reset successfully" → Redirect to Login Page

Sign Up Page

- **Input**:
  - Full name (required)
  - Email address (required)
  - Password (required, min 8 characters)
  - Confirm password (required)
  - Job title (optional)
  - Profile photo (optional)
- **Rules**:
  - Email must be unique in system
  - Email verification required (verification link sent via SendGrid)
  - Terms of Service and Privacy Policy agreement checkbox (required)
- **Invitation Flow**:
  - Users invited via email link get auto-filled email and simplified signup (name + password only)

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2. Project Owner

2.1 Navigation Menu

1. Projects (Home)
2. My Tasks
3. Notifications
4. Profile

2.2 Page Architecture & Feature Specification

1. Projects Tab (Home)

Main Page (Project List)

1. Project List

   - Grid/List toggle view
   - Each project card shows:
     - Project title
     - Progress bar (completion %)
     - Member count (avatar stack)
     - Deadline date

        - Task count (total / completed)
    - Tap card → Board View Page
2. Floating Action Button
    - "+" button → Project Creation Page
3. Search & Filter
    - Search by project name
    - Filter: All / Active / Completed / Archived
    - Sort: Recent / Deadline / Name

Project Creation Page

1. Project Details
    - Title (required)
    - Description (optional, rich text)
    - Deadline (date picker)
2. Board Template Selection
    - Default Template: To Do → In Progress → Review → Done
    - Minimal Template: To Do → Done
    - Custom: Create your own columns
    - Each column can have an optional WIP limit
3. Team Invitation
    - "Invite Members" section
    - Email input with "Add" button (multiple emails)
    - Or share invitation link
    - "Create Project" button

Board View Page

1. Board Header
    - Project title
    - Member avatars (tap to see full list)
    - View toggle: Board View / Calendar View
    - Settings icon (gear) → Board Settings
    - Dashboard icon → Project Dashboard
    - Progress percentage badge
2. Kanban Board
    - Horizontal scrollable columns
    - Each column:
        - Column title with task count
        - WIP limit indicator (if set): "3/5" style
        - "+" button to add new card
        - Vertically scrollable task cards
    - Each card:
        - Task title

        - Priority badge (color-coded: Low=gray, Medium=blue, High=orange, Urgent=red)
        - Assignee avatar
        - Due date (red if overdue)
        - Label tags (color dots)
        - Comment count icon
        - Attachment count icon
    - Drag-and-drop cards between columns
    - Real-time sync via WebSocket

3. Tap Card → Task Detail Page

Task Detail Page

1. Task Header
    - Title (editable by Owner)
    - Status badge (current column name)
    - Priority selector (Low/Medium/High/Urgent)
    - Close button
2. Task Body
    - Description (rich text, editable by Owner)
    - Assignee (dropdown of project members, editable by Owner)
    - Due date (date picker, editable by Owner)
    - Labels (multi-select from predefined labels)
        - Bug (red), Feature (green), Design (purple), Documentation (blue), Improvement (orange)
3. Sub-Tasks Section
    - Checklist of sub-task items with checkboxes
    - Progress indicator: "3/5 completed"
    - "Add Sub-Task" button → text input for sub-task title
    - Tap checkbox to toggle complete/incomplete
    - Swipe to delete sub-task
    - Sub-task completion contributes to parent task progress
4. Time Tracking Section
    - "Start Timer" button → Starts counting time on this task
    - Running timer displays elapsed time (HH:MM:SS)
    - "Stop Timer" button → Logs the time entry
    - "Add Manual Entry" → Input hours and minutes with description
    - Time log list: Date, Duration, User, Description
    - Total time logged on this task
5. Attachments Section
    - File list with name, size, upload date
    - "Upload File" button (PDF, PNG, JPG, DOCX, XLSX - max 10MB)
    - Tap to preview/download
6. Comments Section
    - Threaded comment list with timestamps

    - Each comment: Author avatar, name, timestamp, text
    - Supports @mention (triggers notification)
    - Reply to comment (nested thread)
    - Text input with "Send" button

7. Activity Log

    - Chronological list of changes: status changes, assignee changes, comment additions, time entries
    - Format: "[User] moved this task to [Column]" with timestamp

8. Actions (Owner only)

    - "Move to Trash" button (soft delete with confirmation dialog)
    - Trashed tasks are hidden from board but recoverable for 30 days
    - "Restore" option available in Trash view
    - Permanent deletion occurs automatically after 30 days

Trash View Page

- Access via "Trash" icon on Board View header or Board Settings
- List of soft-deleted tasks with: Title, Deleted by, Deleted date
- "Restore" button per task → Moves task back to its original column
- "Delete Permanently" button per task (Owner only, with confirmation)
- Tasks auto-permanently-delete after 30 days
- Empty state: "No deleted tasks"

Board Settings Page

- Edit project title and description
- Edit deadline
- Manage columns: Add, rename, reorder, delete, set WIP limits
- Manage members: View list, remove member, resend invitation
- "Trash" link → Trash View Page
- "Archive Project" button
- "Delete Project" button (with confirmation)

Project Dashboard Page

- Access via icon on Board View header

1. Summary Cards

    - Total tasks
    - Completed tasks
    - Overdue tasks
    - Completion percentage

2. Charts

    - Tasks per status (bar chart)
    - Tasks per priority (pie chart)
    - Member workload (horizontal bar chart - tasks per member)
    - Completion trend (line chart - completed tasks over time)

3. Filter

- Date range picker
    - Filter by assignee
    - Filter by priority

4. Export

    - "Export CSV" button → Downloads project report

2. My Tasks Tab

Main Page

1. Task List

    - All tasks assigned to the user across all projects
    - Grouped by project name
    - Each task: Title, project name, status badge, priority badge, due date
    - Overdue tasks highlighted in red
    - Tap task → Task Detail Page

2. Filter & Sort

    - Filter by: All / Overdue / Due Today / Due This Week
    - Sort by: Due date / Priority / Project

3. Notifications Tab

Main Page

- Chronological list of notifications
- Types:
    - Task assigned: "[Owner] assigned you to [Task] in [Project]"
    - Due date reminder: "[Task] is due tomorrow"
    - Status change: "[User] moved [Task] to [Column]"
    - Comment mention: "[User] mentioned you in [Task]"
    - New comment: "[User] commented on [Task]"
    - Invitation: "You've been invited to [Project]"
- Tap notification → Navigate to related task/project
- Swipe to dismiss
- "Mark All as Read" button

4. Profile Tab

Main Page

1. Account Info

    - Profile photo, Full name, Email, Job title
    - "Edit Profile" button → Edit Profile Page

2. Settings

    - Notification preferences:
        - Push notifications on/off
        - Email digest: Off / Daily / Weekly
        - Per-type toggles (assignments, deadlines, comments, status changes)
    - App version

- "Log Out" button
    - "Delete Account" button (with confirmation)

Edit Profile Page

- Editable: Full name, Job title, Profile photo
- Email change requires re-verification
- "Save Changes" button

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3. Team Member

3.1 Navigation Menu

1. Projects (Home)
2. My Tasks
3. Notifications
4. Profile

3.2 Page Architecture & Feature Specification

Team Member has the same navigation structure as Project Owner with the following permission differences:

Permission Differences from Project Owner

Feature	Project Owner	Team Member
Create project	Yes	No
Edit project settings	Yes	No
Create tasks	Yes	Yes
Edit task details (title, description, assignee, priority, due date)	Yes	Own tasks only
Delete tasks (soft delete)	Yes	No
Restore deleted tasks	Yes	No
Manage columns (add/edit/delete)	Yes	No
Invite/remove members	Yes	No
Archive/delete project	Yes	No
Drag cards between columns	Yes	Yes
Add/manage sub-tasks	Yes	Yes
Log time on tasks	Yes	Yes
Add comments	Yes	Yes
Upload file attachments	Yes	Yes
View board, calendar, and dashboard	Yes	Yes
Change due dates via Calendar drag	Yes	No

Export CSV	Yes	No

Team Member Specific Views

Projects Tab (Home)

- Same project list view but without "+" button (cannot create projects)
- Only shows projects the member has been invited to

Board View Page

- Same Kanban board with:
  - "+" button on columns to create tasks (same as Owner)
  - Can drag cards between columns (update status)
  - View toggle: Board View / Calendar View (same as Owner)
  - Tap card → Task Detail Page (can edit own tasks' details, can add comments, attachments, sub-tasks, and time entries on any task)

Calendar View Page

- Same calendar view as Owner but:
  - Cannot drag tasks to change due dates (read-only calendar)
  - Can tap tasks to view Task Detail Page

My Tasks Tab

- Same as Project Owner's My Tasks view
- Shows all tasks assigned to this member

Part 3: Admin Dashboard PRD

Admin Dashboard Standard Features

All admin dashboard pages include the following standard features unless otherwise specified.

List Page Standard Features

Feature	Description	Required
Search	Keyword search field (name, ID, email, etc.)	Yes
Filters	Status / Date / Category dropdown filters	Yes
Column Sorting	Click table header to sort ASC/DESC	Yes
Checkbox Selection	Row checkboxes + Select All checkbox	Yes
Bulk Actions	Bulk delete / Status change / Export for selected items	Yes
Pagination	Page navigation + Items per page selector (10/25/50/100)	Yes

Table UI Standard Features

Feature	Description	Required
Loading State	Skeleton or spinner while data loads	Yes
Empty State	Message displayed when no data exists	Yes
Action Column	Edit / Delete / View Detail buttons per row	Yes

Detail/Edit Standard Features

Feature	Description	Required
Detail Drawer/Modal	Click row to open detail panel	Yes
Edit Form	Switch to edit mode within detail view	Yes
Delete Confirmation	Confirmation dialog before deletion	Yes

Data Export Standard Features

Feature	Description	Required
CSV/Excel Download	Export current filtered/searched results	Yes
Date Range Selection	Period filter for export	Yes

Common UI/UX Standard Features

Feature	Description	Required
Toast Notifications	Success/Error feedback messages	Yes
Breadcrumb	Current location navigation	Yes

Sidebar Navigation

1. Dashboard
2. User Management
3. Project Management
4. System Configuration

Page Architecture & Feature Specification

Dashboard Home Page

Statistics Cards

- Total Users (with new this week)
- Total Projects (active count)
- Total Tasks (completed this week)
- Active Users Today

Period Filter

- Today / Last 7 days / Last 30 days / Custom date range

Charts

- User Registration Trend: Line chart over selected period
- Project Creation Trend: Bar chart
- Task Completion Rate: Line chart (completed per day)
- Top 5 Most Active Projects: Horizontal bar chart

Recent Activity

- Latest 10 system events (user signups, project creations, etc.)

User Management

User Management Page

Main Page

1. Top Area:
    - Search: Keyword search by name, email
    - Filters: Role (Project Owner / Team Member), Status (Active / Suspended), Registration date range
    - "Create User" button → Creation Modal
    - Bulk Action dropdown: Activate / Suspend / Delete / Export CSV
2. Table Component:
    - Checkbox column (with Select All)
    - Name, Email, Role, Status, Projects Count, Tasks Count, Registration Date, Last Active
    - Action column: View / Edit / Suspend / Delete
3. Table Features:
    - Column sorting (click header)
    - Pagination with items per page selector

Creation Modal

- Input fields: Full name, Email, Role (Project Owner / Team Member)
- Create button / Cancel button
- System sends invitation email

Detail Drawer

- Header Info: Profile photo, Name, Email, Role, Status, Registration date
- Account Actions: Activate / Suspend, Reset password, Change role
- Projects: List of projects this user belongs to (with role in each)
- Tasks: Recent tasks assigned or created
- Activity: Last login, Total logins, Tasks completed
- Timestamps: Created at / Last active

Project Management

Project Management Page

Main Page

1. Top Area:
    - Search: Project name, owner name
    - Filters: Status (Active / Completed / Archived), Date range, Member count range
    - Bulk Action dropdown: Archive / Delete / Export CSV
2. Table Component:
    - Checkbox column (with Select All)
    - Project Name, Owner Name, Status, Members Count, Total Tasks, Completed Tasks, Completion %, Created Date, Deadline
    - Action column: View / Archive / Delete
3. Table Features:
    - Column sorting
    - Pagination

Detail Drawer

- Project Info: Title, Description, Deadline, Status, Completion %
- Owner Info: Name, Email (link to user profile)
- Members List: All members with role
- Task Summary: Total, Per status breakdown, Overdue count
- Activity: Recent task movements, comments
- Actions: Archive project, Delete project (with confirmation)

System Configuration

System Settings Page

General Settings

- App name display
- Default Kanban template columns (configurable)
- Maximum file upload size (default: 10MB)
- Allowed file types

Notification Settings

- Email notification enabled/disabled (global toggle)
- Default email digest frequency
- Deadline reminder timing (default: 24 hours before)

Label Configuration

- Manage predefined labels:
    - Bug (red), Feature (green), Design (purple), Documentation (blue), Improvement (orange)
    - Add / Edit / Delete labels
    - Set default label colors

Export / Data Download

Data Download

- User Reports: User list with activity metrics (CSV)
- Project Reports: Project list with completion stats (CSV)
- Task Reports: All tasks with status, assignee, dates (CSV)
- Format: CSV
- Filter Options:
  - All time
  - Custom date range
  - Current filtered results

Additional Questions (All Resolved)

Required Clarifications

#	Question	Answer
1	Should there be a maximum number of projects per user?	No limit
2	Should there be a maximum number of members per project?	No limit
3	Is the time tracking feature (logging hours per task) required for MVP?	Yes - Time tracking included (start/stop timer + manual entry)
4	Should deleted tasks be soft-deleted (recoverable) or hard-deleted?	Soft delete - Tasks moved to Trash, recoverable for 30 days

Recommended Clarifications

#	Question	Answer
1	Should team members be able to create tasks, or only project owners?	Yes - Team Members can create tasks
2	Is sub-task support needed?	Yes - Checklist-style sub-tasks with progress indicator
3	Should there be a calendar view in addition to Kanban?	Yes - Calendar View with month/week toggle
4	Is guest access needed (view-only without account)?	No - Not needed
5	Should offline mode support editing (drag cards) or only viewing?	No offline editing - View only

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Feature Change Log

Version 1.1 (2026-02-09)

Change Type	Before	After	Source
Feature Addition	No time tracking	Time Tracking Section added to Task Detail (start/stop timer + manual entry)	Client Q&A
Feature Addition	No sub-tasks	Sub-Tasks Section added to Task Detail (checklist with progress indicator)	Client Q&A
Feature Addition	Board view only	Calendar View added (month/week toggle, tasks on due dates)	Client Q&A
Permission Change	Only Owner creates tasks	Team Members can also create tasks	Client Q&A
Behavior Change	Hard delete tasks	Soft delete with 30-day Trash recovery	Client Q&A
Clarification	No project/member limits defined	No limits on projects per user or members per project	Client Q&A
Clarification	Guest access undefined	No guest access	Client Q&A
Clarification	Offline editing undefined	Offline viewing only, no editing	Client Q&A

Change Details

Client Q&A Updates (v1.1)

- **Source**: Client answers to PRD clarification questions
- **Changes**:
  - Added Time Tracking Section (Section 4 in Task Detail Page) with start/stop timer and manual time entry
  - Added Sub-Tasks Section (Section 3 in Task Detail Page) with checkboxes and progress indicator
  - Added Calendar View as Module 5 with month/week toggle, accessed via Board View header toggle
  - Updated Team Member permissions to allow task creation and editing own tasks
  - Changed task deletion to soft delete with Trash View (30-day recovery)
  - Added Trash View Page accessible from Board View header
  - Updated Permission Differences table with new capabilities
  - No limits set for projects per user or members per project

Version 1.0 (2026-02-09)

Change Type	Before	After	Source

Initial Version	-	Full PRD created	TaskBoard training project generation

Change Details

Initial PRD Creation

- **Source Document**: TaskBoard_260209_190028.md (Training project)
- **Change Description**: Initial comprehensive PRD generated from random project generator with Level 3 (Medium) difficulty, Project Management domain

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UX Flow Improvement Suggestions

UX flow issues identified during PRD creation:

Suggestions

#	Current Flow	Issue	Suggestion	Priority
1	~~Team Member cannot create tasks~~	~~RESOLVED: Team Members can now create tasks directly (v1.1)~~	~~N/A~~	~~Resolved~~
2	Board view is the only way to see all tasks	No way to quickly see all tasks in a flat list sorted by deadline	Add a "List View" toggle on the Board page for table-style task viewing with sorting	Medium
3	No quick way to find overdue tasks	Owner must scroll through all columns to spot overdue cards	Add a "Overdue" filter badge on the board header that highlights only overdue cards	High
4	File attachments lack preview	Users must download files to see contents	Add inline preview for images (PNG/JPG) and PDF first-page thumbnail	Medium
5	No keyboard shortcuts for power users	Dragging cards on desktop could be faster with shortcuts	Add keyboard shortcuts: N (new task), arrow keys (navigate cards), Enter (open detail)	Low
6	Notifications page is a flat list	All notification types mixed together makes it hard to find specific ones	Add tab filters: All / Assignments / Comments / Deadlines	Medium

Suggestion Details

Suggestion 1: Team Member Task Suggestions

- **Current**: Only Project Owner can create tasks. Team Members cannot add tasks even when they discover work items during development
- **Issue**: Creates a bottleneck where the Owner becomes a single point of task creation. Slows down workflow especially in async teams

- **Suggestion**: Add "Suggest Task" button for Team Members. Creates a card with "Suggested" badge in the Backlog column. Owner receives notification and can approve (moves to board) or reject (with reason). This preserves Owner control while removing the bottleneck
- **Expected Benefit**: Faster task capture, reduced Owner bottleneck, better team autonomy
- **Complexity**: Medium

Suggestion 2: List View Toggle

- **Current**: Tasks are only viewable in Kanban board layout (columns with cards)
- **Issue**: When a project has 30+ tasks, it's difficult to sort/filter across all columns. Finding a specific task requires scanning each column
- **Suggestion**: Add a toggle button on the Board page header: "Board View" / "List View". List View shows all tasks in a flat table with columns: Title, Status, Assignee, Priority, Due Date, Labels. Supports column sorting and filtering
- **Expected Benefit**: Faster task discovery, better overview for large projects, easier deadline management
- **Complexity**: Medium

Suggestion 3: Overdue Task Highlighting

- **Current**: Overdue tasks only show a red due date text on individual cards. No global indicator on the board level
- **Issue**: With many cards across columns, it's easy to miss overdue tasks. Owner may not realize tasks are late until checking the dashboard
- **Suggestion**: Add a red "Overdue (N)" badge on the board header. Tapping it applies a filter that dims all non-overdue cards and highlights overdue ones with a red border. Push notification to Owner when a task becomes overdue
- **Expected Benefit**: Immediate visibility of deadline issues, faster intervention
- **Complexity**: Simple

Suggestion 4: Inline File Preview

- **Current**: File attachments show as a list of file names. Users must download to view contents
- **Issue**: Extra friction for reviewing attached mockups, documents, or screenshots. Especially painful on mobile where downloads are inconvenient
- **Suggestion**: Show inline preview: Image files display as thumbnails (tap to expand full-screen). PDF files show first-page thumbnail. Other files show icon with file type label. Preview loads on demand to save bandwidth
- **Expected Benefit**: Faster file review, fewer unnecessary downloads, better mobile experience
- **Complexity**: Simple

Suggestion 5: Keyboard Shortcuts (Desktop/Web)

- **Current**: All board interactions require mouse/touch (drag-and-drop, clicking buttons)
- **Issue**: Power users on desktop find mouse-only interaction slow for repetitive actions
- **Suggestion**: Add keyboard shortcuts for web view: `N` = New task, `Arrow keys` = Navigate between cards, `Enter` = Open card detail, `Esc` = Close detail, `1–4` = Move card to column 1-4. Show shortcut hint overlay with `?` key
- **Expected Benefit**: Faster workflow for desktop power users
- **Complexity**: Medium

Suggestion 6: Categorized Notifications

- **Current**: All notifications in a single chronological list

- **Issue**: Users receive mixed notifications (assignments, comments, deadlines, status changes) making it hard to find urgent items like deadline reminders among comment notifications
- **Suggestion**: Add tab filters at the top of Notifications page: All / Assignments / Comments / Deadlines. Each tab shows count badge. Deadline notifications have distinct red styling for urgency
- **Expected Benefit**: Faster access to important notifications, better signal-to-noise ratio
- **Complexity**: Simple
