

Assignment - Plan

In our previous assignment we listed all User Stories for the MVP. The decision for choosing features for our MVP was made based on their impact and complexity. The US with the highest impact (4 or 5) for the users (HR Manager, Team Lead / Project Manager and Employee) were the most important. The user stories with high complexity are still included, because their features are mandatory to be part of the software MVP.

The User Stories, Impact (I), Complexity (C) and notes for implementation are listed here:

HR Manager

ID	User Story	I	C	Notes
HR1	Store & manage employee documents in one place	5	4	Requires file storage, user permission, taxonomy. Confidential data.
HR2	Automate leave & absence requests	4	3	Involves workflow logic (request, approval, notifications) & tracking of individual balance. Possibly calendar integration with availability could add complexity.

Team Lead / Project Manager

TL1	See team availability & workload	5	4	<ul style="list-style-type: none">- Must integrate with HR data (absences, sick days).- resource calculation (hours allocated vs. free), handle dynamic scheduling with real-time updates- Visualization: Intuitive calendar or chart-based UI
TL3	Real-time project progress dashboard	5	5	<ul style="list-style-type: none">- requires updates from tasks, projects- collecting data from multiple sources- Visualizing tasks, milestones or charts.

Employee

E1	See assigned projects & deadlines	5	3	<ul style="list-style-type: none">- needs an existing project management- filtered list of assigned tasks/projects for the current user.
E3	Request vacation & check balance	5	3	<ul style="list-style-type: none">- approval workflow- balance calculation- notification about request
E4	Announcement section for company updates	4	2	<ul style="list-style-type: none">- simple posting system, read-only for employees- posting limited to HR/TL- notification mechanism- filtering/removing of older news- different categories

Regardless of the necessary user stories, we also list useful features that are not essential for the MVP. Their implementation is planned for future launches, but can be integrated before the end of the project if sufficient time is available. They are listed here (Optional/Additional US for MVP):

HR Manager

HR5	Collect employee feedback	3	2	Could be done with a simple form or survey module. Minimal complexity if just storing text data and sending notifications. Could expand to advanced analytics or anonymity options.
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Team Lead / Project Manager

TL5	Provide feedback to employees	3	2	- simple form or text input to store manager comments or suggestions - permission for certain user (role-based)
TL6	Set team & employee goals	4	4	- data structure for goals, deadlines, progress - integration with tasks for progress tracking - multiple roles, comments

The complete US table is categorized into user stories of each user. For a better overview regarding our plan we need to structurize them into coherent modules or implementable features. The reason is that some US share common functionalities. By grouping related stories into coherent feature modules, we can reduce redundancy, clarify interfaces and align with architecture and deployment. The **High-level modules and key functional requirements** are listed here:

A. **HR Records:** HR1 (Store & manage employee documents)

Scope: Central repository for every personnel document (contracts, certificates, ..)

Core Screens:

1. **Document Library** – faceted list with filters (employee, type, ..)
2. **Document Viewer** – in-app PDF
3. **Upload / Version** – drag-and-drop or “Upload” button; new version auto-increments.
4. **Admin Audit Log** – searchable timeline of every view/update/delete.

Key functional requirements:

- FR-HR-1: Upload file $\leq x$ MB
- FR-HR-2: Attach metadata: employeeID, category, ..
- FR-HR-3: Role-based access control for different roles
- FR-HR-4: If a file with same name already exists for that employee & category, store as a **new version**; keep prior versions retrievable.
- FR-HR-5: Actions (upload, download, delete, metadata edit) are recorded in an immutable audit log with user, timestamp, IP.

B. **Leave & Attendance (LA): HR2 (Automate leave & absence approvals)+ E3 (Request vacation / check balance)**

Scope: One place for requesting, approving and tracking all leave types.

Primary workflow:

1. Employee submits request (dates, type, note) → “Submit”.
2. Approval Inbox with list of pending requests for the manager.
3. Manager approves / rejects → update → notifications.
4. Calendar sync for approved absences.

Key functional requirements:

- FR-LA-1: System stores **leave-type master data** (e.g., Annual, Sick, Unpaid)
- FR-LA-2: Conflict checks e.g. sufficient balance, clashes with existing leave, public holiday, ..
- FR-LA-03: Workflow states: *Pending* → *Approved* → *Taken / Rejected / Cancelled*. State transitions only via authorised role.
- FR-LA-04: Manager approval (or HR) sends email / notification to requester.
- FR-LA-05: Employee can cancel a *Pending* request; once *Approved*, cancellation requires manager approval.

C. **Project & Workload: TL1 (Team availability & workload)+ E1 (Assigned tasks)+ TL3 (Real-time project dashboard)**

Scope: Provide a project dashboard that shows task data, team capacity and individual employee’s “My Work” list.

Core screens:

1. **Dashboard**
2. **Project Detail**
3. **Capacity Panel**
4. **My Work**

Key functional requirements:

- FR-PW-1: Adding, deleting tasks in a project. Clicking a project tile shall open Project Details. Tasks can be pinned to employees (IDs)
- FR-PW-2: Shows employee absences (connection to FR-LA-1).
- FR-PW-3: **Role-Based Database**
- FR-PW-4: **Role-Based Views**; Dashboard, Project Detail, Capacity Panel; Employees see My Work

D. **Announcements: E4 (Announcement section for company updates)**

Scope: Deliver a role-restricted news feed where HR or team leads can create, pin, and expire posts, while employees receive unread badges and real-time notifications.

Key functional requirements:

FR-AN-1: Create Post: The system shall allow users with HR or TL role to create or edit a post with fields

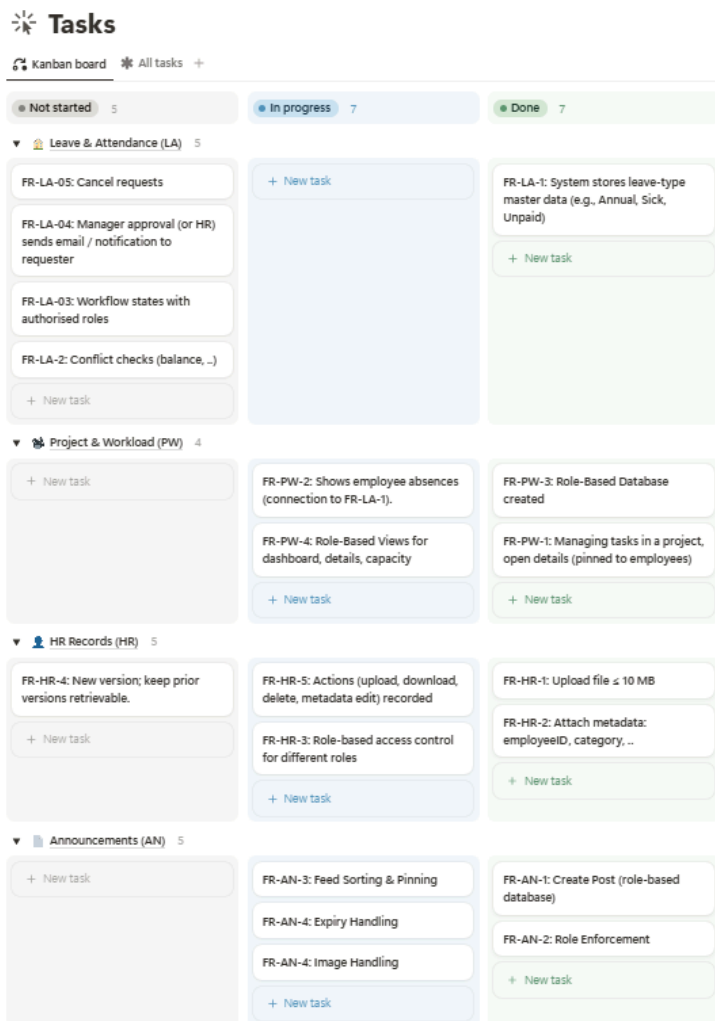
FR-AN-2: **Role Enforcement**; actions like posting shall be hidden in the UI for non-HR/TL users.

FR-AN-3: **Feed Ordering & Pinning** (news feed can sort or pin posts)

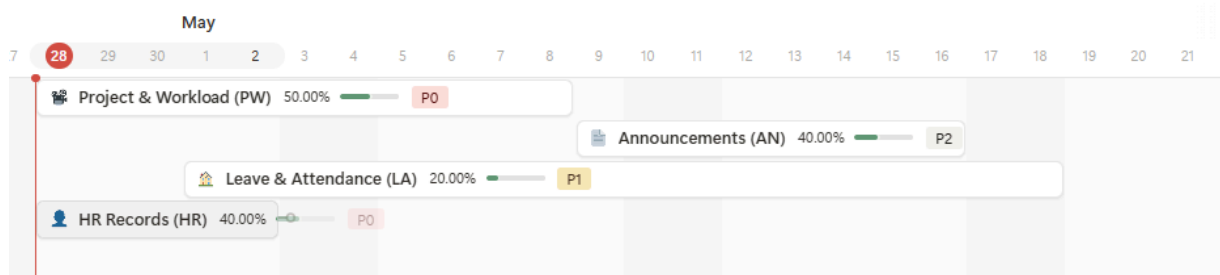
FR-AN-4: Expiry Handling

FR-AN-4: Image Handling

Kanban board:



Timeline for projects:













HR App

Project

The big pieces of work that will drive the company toward it's goals.

Projects

 Project	 Priority	 Progress	 Status	 Tasks	 Timeline	 Person
 <u>HR Records (HR)</u>	P0	0.4	In progress	FR-HR-1: <u>Upload file ≤ 10 MB, FR-HR-2: Attach metadata: employeeID, category, ...</u> , FR-HR-3: <u>Role-based access control for different roles, FR-HR-4: New version; keep prior versions retrievable.,</u> FR-HR-5: <u>Actions (upload, download, delete, metadata edit), recorded</u>	@April 28, 2025 → May 2, 2025	@ MARK @ NAZAR
 <u>Project & Workload (PW)</u>	P0	0.5	In progress	FR-PW-1: <u>Managing tasks in a project, open details (pinned to employees),</u>	@April 28, 2025 → May 8, 2025	@ NAZAR @ IMAD

📁 Project	🔥 Priority	📊 Progress	⚙️ Status	➕ Tasks	📅 Timeline	☰ Person
				<u>FR-PW-2: Shows employee absences (connection to FR-LA-1),</u> <u>FR-PW-3: Role-Based Database created, FR-PW-4: Role-Based Views for dashboard, details, capacity.</u>		
🏠 <u>Leave & Attendance (LA)</u>	P1	0.2	In progress	<u>FR-LA-1: System stores leave-type master data (e.g., Annual, Sick, Unpaid),</u> <u>FR-LA-2: Conflict checks (balance,...),</u> <u>FR-LA-03: Workflow states with authorised roles, FR-LA-04: Manager approval (or HR) sends email / notification to requester,</u> <u>FR-LA-05: Cancel requests</u>	@May 1, 2025 → May 18, 2025	@ NAZAR
📄 <u>Announcements (AN)</u>	P2	0.4	In progress	<u>FR-AN-1: Create Post (role-based database),</u> <u>FR-AN-2:</u>	@May 9, 2025 → May 16, 2025	@ FERDAOUS















📍 Project	🔥 Priority	📊 Progress	⚙️ Status	➕ Tasks	📅 Timeline	☰ Person
				Role Enforcement, FR-AN-3: Feed Sorting & Pinning, FR-AN-4: Expiry Handling, FR-AN-4: Image Handling		

✓ Tasks

How we break apart the projects into smaller, more digestible chunks.

Tasks

Aa Name	👤 Assigned	📅 Due	📌 Projects	⚙️ Status
FR-PW-3: Role-Based Database created			👤 Project & Workload (PW)	Done
FR-PW-2: Shows employee absences (connection to FR-LA-1).			👤 Project & Workload (PW)	In progress
FR-PW-4: Role-Based Views for dashboard, details, capacity			👤 Project & Workload (PW)	In progress
FR-PW-1: Managing tasks in a project, open details (pinned to employees).			👤 Project & Workload (PW)	Done
FR-HR-1: Upload file ≤ 10 MB			👤 HR Records (HR)	Done
FR-HR-2: Attach metadata: employeeID, category, ..			👤 HR Records (HR)	Done
FR-HR-5: Actions (upload, download, delete, metadata edit) recorded			👤 HR Records (HR)	In progress
FR-HR-3: Role-based access control for different roles			👤 HR Records (HR)	In progress
FR-AN-2: Role Enforcement			📄 Announcements (AN)	Done

Aa Name	 Assigned	 Due	 Projects	 Status
<u>FR-LA-1: System stores leave-type master data (e.g., Annual, Sick, Unpaid).</u>			 <u>Leave & Attendance (LA).</u>	Done
<u>FR-AN-4: Expiry Handling</u>			 <u>Announcements (AN).</u>	In progress
<u>FR-AN-4: Image Handling</u>			 <u>Announcements (AN).</u>	In progress
<u>FR-AN-1: Create Post (role-based database).</u>			 <u>Announcements (AN).</u>	Done
<u>FR-HR-4: New version; keep prior versions retrievable.</u>			 <u>HR Records (HR)</u>	Not started
<u>FR-AN-3: Feed Sorting & Pinning</u>			 <u>Announcements (AN).</u>	In progress
<u>FR-LA-2: Conflict checks (balance,...).</u>			 <u>Leave & Attendance (LA).</u>	Not started
<u>FR-LA-03: Workflow states with authorised roles</u>			 <u>Leave & Attendance (LA).</u>	Not started
<u>FR-LA-04: Manager approval (or HR) sends email / notification to requester</u>			 <u>Leave & Attendance (LA).</u>	Not started
<u>FR-LA-05: Cancel requests</u>			 <u>Leave & Attendance (LA).</u>	Not started


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src/
├── components/
│   ├── dashboards/
│   │   ├── HRDashboard.jsx
│   │   ├── PMDashboard.jsx
│   │   └── EmployeeDashboard.jsx
│   ├── DocumentList.jsx
│   ├── DocumentUpload.jsx
│   ├── DocumentManager.jsx
│   ├── LandingPage.jsx
│   ├── SignIn.jsx
│   ├── SignUp.jsx
│   ├── ProtectedRoute.jsx
│   ├── LeaveApprovalList.js
│   ├── LeaveCalendar.jsx
│   └── LeaveRequestForm.jsx
├── services/
│   └── documentService.js          # Service handling document-related API calls
├── context/
│   └── AuthContext.js             # Context to manage authentication state (user info, role, etc.)
├── App.jsx
├── index.js
├── index.css
└── supabaseClient.js

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