📘 Complete Todo List Application

Detailed User Stories with Acceptance Stories

◆ ROLE: USER

US U 01 – User Account Registration

User Story
As an end user, I want to register for the application using a valid email address and password so that I can create a personal account and securely access the system's task management features.

Acceptance Story

Scenario: Successful user registration
Given the user is on the application landing page
When the user clicks on the "Sign Up" option
And provides a valid email address and a password meeting minimum security requirements
Then the system creates a new user account
And POST /api/auth/signup returns HTTP 201
And the user sees a confirmation message stating "Account created"
And the user is redirected to the login page

US U 02 – User Authentication (Login)

User Story
As a registered user, I want to log in using my email and password so that I can securely access my personal dashboard and manage my tasks.

Acceptance Story

Scenario: Successful user login
Given the user is on the login page
When the user enters valid credentials
Then POST /api/auth/login returns HTTP 200 with an authentication token

And the user is redirected to the User Dashboard

US U 03 – Empty Dashboard Visibility

User Story
As a user, I want the dashboard to clearly indicate when I have no tasks so that I understand the current state of my account and am encouraged to create my first task.

Acceptance Story

Scenario: Empty task state
Given the user has no tasks associated with their account
When the user logs in successfully
Then the dashboard displays the message "No tasks found. Create your first!"

US U 04 – Create a New Task

User Story
As a user, I want to create a new task by providing a task title so that I can track and manage my activities effectively within the application.

Acceptance Story

Scenario: Create new task
Given the user is logged in and on the dashboard
When the user submits a valid task title
Then POST /api/tasks returns HTTP 201
And the task is saved with the user's identifier
And the task appears in the Active Tasks list

US U 05 – Edit Existing Task

User Story
As a user, I want to modify the title of an existing task so that I can correct mistakes or reflect updated requirements.

Acceptance Story

Scenario: Edit task title

Given the user owns a task titled "Buy groceries"
When the user edits the task title to "Buy organic groceries"
Then PUT /api/tasks/{taskId} returns HTTP 200
And the updated title is reflected immediately in the UI

US U 06 – Mark Task as Completed

User Story
As a user, I want to mark a task as completed so that I can distinguish finished work from pending tasks.

Acceptance Story

Scenario: Complete task
Given the user has an active task
When the user marks the task as completed
Then the task status is updated to "completed"
And the task is moved to the Completed Tasks section

US U 07 – Delete Task

User Story
As a user, I want to permanently delete a task so that I can remove tasks that are no longer relevant.

Acceptance Story

Scenario: Delete task
Given the user initiates deletion of a task
When the user confirms the deletion
Then DELETE /api/tasks/{taskId} returns HTTP 200
And the task is removed from the dashboard
And a confirmation message "Task deleted" is displayed

US U 08 – Task Ownership Enforcement

User Story
As a user, I want the system to restrict access strictly to my own tasks so that my personal data remains private and secure.

Acceptance Story

Scenario: Unauthorized task access attempt
Given the user manually alters the task URL to reference another user's task
Then the API returns HTTP 403 Forbidden
And the UI displays an error message indicating insufficient permissions

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◆ ROLE: ADMIN

US A 01 – Admin Authentication

User Story
As an administrator, I want to log in to the system so that I can access administrative features within the scope of my assigned privileges.

Acceptance Story

Scenario: Admin login
Given an admin account exists
When the admin logs in with valid credentials
Then the Admin Dashboard loads successfully

US A 02 – Admin Task Management (Own Tasks Only)

User Story
As an admin, I want full create, read, update, and delete access to my own tasks so that I can manage my responsibilities independently.

Acceptance Story

Scenario: Admin manages own tasks
Given the admin is logged in
Then the admin can create, edit, complete, and delete tasks owned by the admin account

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US A 03 – Read-only Visibility of Users

User Story

As an admin, I want to view a list of users in a read-only format so that I can see system users without being able to modify their details.

Acceptance Story

Scenario: Read-only users list
Given the admin opens the Users tab
Then all users are displayed
And edit and delete actions are disabled
And a tooltip indicates "View only – Contact Super Admin for changes"

US A 04 – Restriction on Role Management

User Story

As an admin, I should be prevented from changing user roles so that role-based security and hierarchy are maintained.

Acceptance Story

Scenario: Block role modification
When the admin attempts to update a user's role
Then PUT /api/users/{userId}/role returns HTTP 403
And the action is denied

US A 05 – Access Control for Other Users' Tasks

User Story

As an admin, I should not be allowed to access or manipulate tasks belonging to other users so that ownership boundaries are enforced.

Acceptance Story

Scenario: Admin accesses another user's tasks
When the admin queries tasks for a different user
Then the API returns HTTP 403 Forbidden
And the admin's task list remains unchanged

◆ ROLE: SUPER ADMIN

US SA 01 – Super Admin Authentication

User Story

As a super admin, I want to log in to the system so that I can perform unrestricted administrative and system-level actions.

Acceptance Story

Scenario: Super admin login
Given a super admin account exists
When the super admin logs in
Then the Global Dashboard is displayed

US SA 02 – Global Dashboard Overview

User Story

As a super admin, I want to view global statistics across all users and tasks so that I have complete visibility into system usage.

Acceptance Story

Scenario: View global stats
Then the dashboard displays:

Metric	Value
Active Tasks	25
Completed Tasks	18
Total Users	3

US SA 03 – Cross-user Task Visibility

User Story

As a super admin, I want to view tasks belonging to any user so that I can monitor and manage activity across the entire system.

Acceptance Story

Scenario: View all tasks
When the super admin calls GET /api/tasks
Then tasks from all users are returned

US SA 04 – Filter Tasks by User

User Story
As a super admin, I want to filter tasks by individual users so that I can focus on specific accounts when required.

Acceptance Story

Scenario: Filter tasks by user
When the super admin selects a specific user
Then GET /api/tasks?user_id={id} returns only that user's tasks

US SA 05 – Modify Any User's Task

User Story
As a super admin, I want to update any user's task so that I can correct issues or enforce system-level changes.

Acceptance Story

Scenario: Edit another user's task
When the super admin updates a task
Then the task is updated successfully
And task history records "Updated by Super Admin"

US SA 06 – User Role Management

User Story
As a super admin, I want to promote or demote users so that administrative responsibilities are correctly assigned.

Acceptance Story

Scenario: Update user role
When the super admin updates a user role
Then PUT /api/users/{userId}/role returns HTTP 200
And the new role is applied immediately

US SA 07 – Archive User Accounts

User Story

As a super admin, I want to archive users so that inactive or removed accounts are properly deactivated along with their tasks.

Acceptance Story

Scenario: Archive user
When the super admin archives a user
Then the user status is set to "deleted"
And all associated tasks are archived