

# Key Principles

*These principles should guide every step of the process*

## Business Value First

Always start with "Why does this matter commercially?"

Every feature must connect to business value

If you can't explain the business case, don't build it

## User-Centric Language

Use real user problems, not technical features

Focus on user benefits, not system capabilities

Test language with actual users

## Evidence-Driven

Focus on measurable outcomes and proof

Build compliance/accountability into the story

Create audit trails and documentation

## Practical Validation

Test with real use cases

Get actual user feedback early and often

Validate that users will actually adopt this

## Iterative Refinement

Expect to refine story and user needs

Use each step to validate previous steps

Be willing to go back and revise

## Scalable Approach

Document what works/doesn't work for future concepts

# Avoid

*These principles  
should guide every  
step of the process*

## Skipping the fundamental questions

Don't start design  
without clear value  
prop and pain points

## Weak business story

If you can't tell a  
compelling story,  
users won't adopt

## Generic user stories

Stories must connect  
to the specific  
business narrative

Quality over  
Quantity

Create audit  
trails and  
documentation

## Over- complicated MVP

Focus on proving  
core value, not  
building everything

Get actual  
user feedback  
early and often

Validate that  
users will actually  
adopt this

## Missing user validation

Test story and  
wireframes with  
real users

# Advanced-Task- Management- System

# Step 1: Foundation

Establish the groundwork before any design decisions

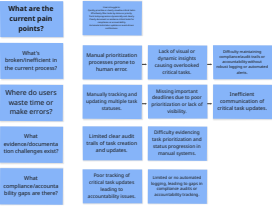
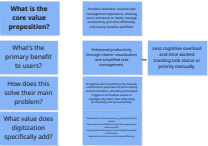
## 1.1 Identify Key Area



## 1.2 Break Down Basic Components



## 1.3 Answer Two Fundamental Questions

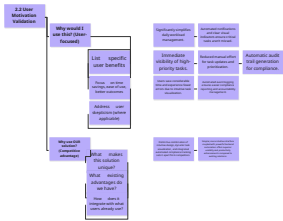


## After Step 1 (Foundation):



Step 2: Story Construction

Build the business narrative that will drive all design decisions



# Step 3: User Stories Generation

Translate the story into specific user needs

## 3.1 Convert Story Elements

- Take each component of the business story
- Convert into "As a [user], I want [capability] so I can [benefit]" format
- Ensure each user story connects back to the original story

## 3.2 User Story Categories

- Primary User Stories (core functionality)
- Implementation & Tracking (process management)
- Evidence Generation (compliance/reporting)
- Administrator Stories (oversight needs)
- System Integration (technical connections)

**Task Creation:**  
"As a user, I want to quickly create tasks with clear priorities and deadlines, so I can easily manage and organize my workload."

**Task Deletion & History:**  
"As a user, I want to delete my tasks and maintain a record of completed tasks, so I can track my progress and ensure unnecessary tasks are removed from my workflow."

**Task Editing & Updating:**  
"As a user, I want to update task details quickly, so I can keep task information accurate with minimal effort."

**Task Deletion:**  
"As a user, I want a simple way to delete tasks, so I can remove outdated or unnecessary tasks easily."

**Dynamic Visualization:**  
"As a user, I want dynamic visualizations (e.g., progress bars, pie charts) representing task status, so I can quickly assess productivity and task completion rates."

**Automated Logging (Efficiency & Billing):**  
"As an administrator or compliance manager, I want every task completed automatically, so I can easily generate compliance documentation and accountability reports."

**High Priority Task Alert:**  
"When administration or oversight is used in the workflow, I want a high priority alert to be created or updated, so I can immediately take necessary action."

**Audit Trail:**  
"As an administrator or compliance manager, I want detailed, automatic audit logs of task events, especially high priority tasks, so I can quickly verify compliance."

**Compliance Reporting:**  
"As a compliance manager, I want automatic generation of task activity reports, so I can effectively measure accountability and readiness for audits."

**Administrator Stories (Oversight Needs):**  
"As an administrator, I want an overview dashboard showing task status and critical deadlines, so I can effectively monitor productivity and compliance."

**System Integration (Technical Connections):**  
"As a user, I want the task management system to integrate easily with my existing workflow, calendar, email, and file management my workflow seamlessly."

## 3.3 User Story Validation

- Does each story support the core value proposition?
- Do the stories collectively tell the business story?
- Are there gaps between the story and user needs?

Yes, each story explicitly links to enhancing productivity, simplifying workload management, improving clarity, or enabling compliance.

Yes, collectively, they address productivity gains, prioritization, user workflow dynamics, visualization, compliance automation, and accountability clearly.

No immediate gaps, but future considerations could include advanced reporting or analytics as user adoption grows.

## After Step 3 (User Stories):

- User stories directly support the business story
- All story elements are represented in user needs
- Stories use real user language and scenarios

Organize user stories into logical user journey

- Use the key steps identified in step 12 as starting point
- Validate/refine these steps based on lessons learned from story development
- Each team should report on their activities in sequence

Organize vertically by priority/value

What's the minimum viable user journey?
Which stories form the essential path?
What can be deferred to later releases?

- Backbone represents actual user workflow
- Walking skeleton proves core value proposition
- User journey flows logically from start to finish

## System Integration

**System Integration (Technical Connections):**  
 "It's a user, I want this task management system to integrate easily with my existing tools (email, calendar, etc.), so I can manage my workflow seamlessly."

*"As an administrator or compliance manager, I want every task event logged automatically, so I can easily generate compliance documentation and accountability reports."*

**High-Priority Task Event:**  
*"As an administrator or manager, I want to be notified clearly whenever a high-priority task is created or updated, so I can immediately take necessary action."*

# Step 5: Wireframe Mockups

Create simple visual representations of the story

## 5.1 MVP Screen Definition

Use User-Story Map to identify essential screens

Focus on proving core value proposition

Keep wireframes extremely simple and functional

## 5.2 Wireframe Principles

Low-fidelity focus - functionality over aesthetics

Real use cases - actual user scenarios, not generic examples

Story-driven - each screen should advance the business story

Annotation-heavy - explain how elements connect to business value

## 5.3 Flow Validation

Does the wireframe flow tell the complete story?

Can users achieve the core value proposition?

Are there gaps between story and actual user experience?

Does it connect properly to existing systems/processes?

## After Step 5 (Wireframes):

Wireframes tell the complete business story

Users can achieve the core value proposition

Integration with existing systems is clear

MVP scope is achievable and valuable

Login Screen

Username

Password

Logn

Sign Up

JWT-based authentication enables:  
- Secure task access control  
- Real-time updates across browser tabs  
- User-specific task filtering

Sign Up Screen

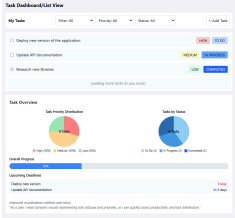
Username

Email

Password

Confirm Password

Create Account



Create Task Screen

Title

Description

Priority

Medium

Due Date

dd/mm/yyyy

Status

To Do

Cancel

Create Task

The high priority confirmation modal addresses:  
"If the user sets a task to 'High' priority, display a confirmation modal asking if they're sure."

Task Detail/Edit Screen

Title

Description

Update the system to version 2.2 with all the new features

Priority

High

Due Date

15/08/2025

Status

To Do

Cancel

Update Task

Delete Task

Logs/Audit Trail Screen (Admin)

All Logs

High Priority Only

Date Range

Export Logs

HIGH PRIORITY - 2025-07-31 10:10:22 - User 'john_doe' created task 'Deploy new version'			
Method	POST	Endpoint	Auth: IP: 192.168.1.105
2025-07-31 10:10:15 - User 'john_doe' updated task 'Update API documentation'			
Method	PUT	Endpoint	Auth: IP: 192.168.1.105
2025-07-31 10:05:03 - User 'jane_smith' viewed all tasks			
Method	GET	Endpoint	Auth: IP: 192.168.1.107
2025-07-31 10:01:45 - User 'john_doe' marked task 'Research new libraries' as completed			
Method	PUT	Endpoint	Auth: IP: 192.168.1.105
2025-07-31 09:45:02 - User 'john_doe' created task 'Research new libraries'			
Method	POST	Endpoint	Auth: IP: 192.168.1.105

The logs screen addresses the custom middleware requirement and event tracking:  
"Implement a custom middleware to intercept HTTP requests and log them."  
"Every time a task with 'High' priority is created or updated, trigger an event."