Mission Planning Management System

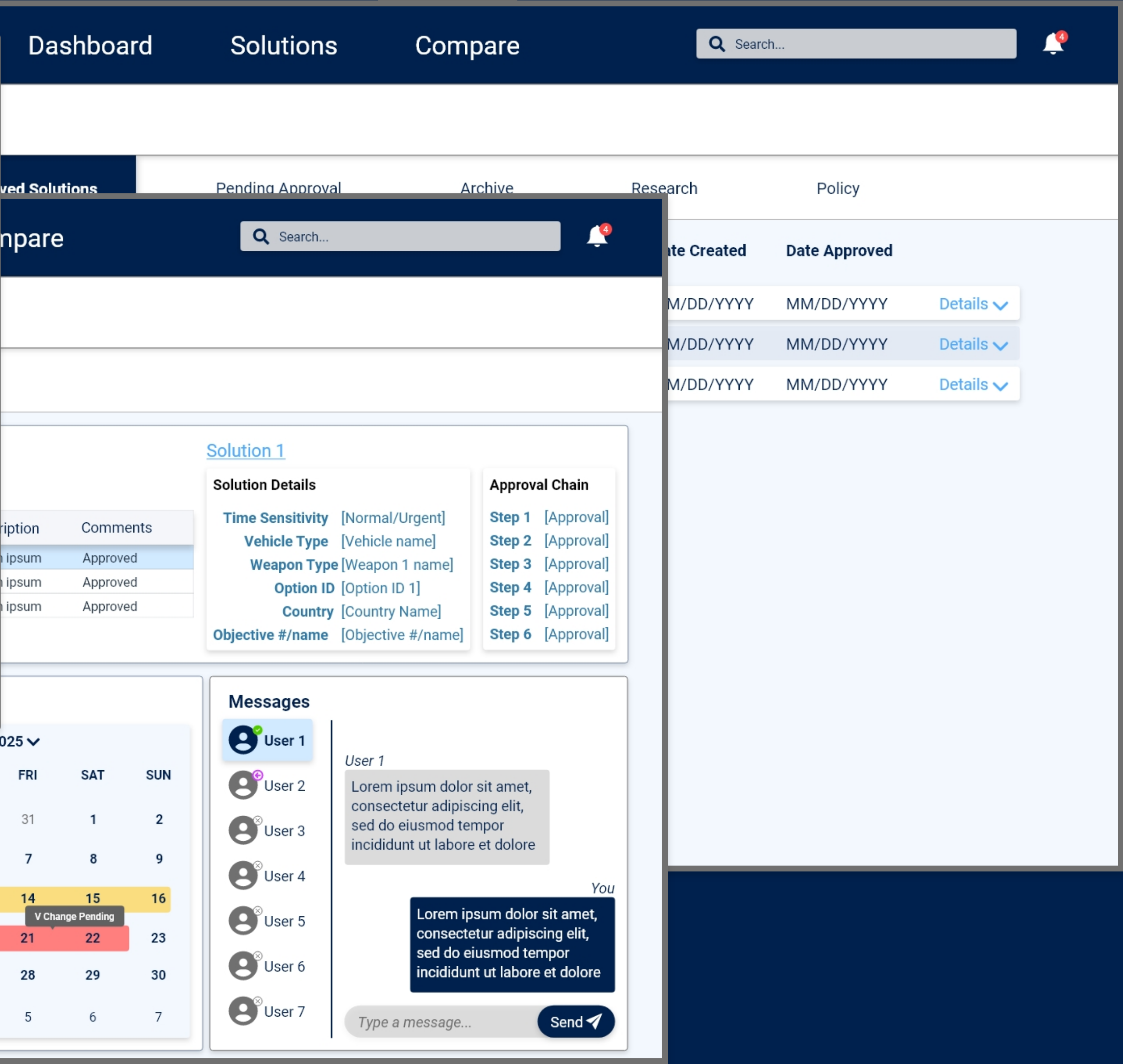Sample design ideas for a large planning system.

Mission Planning System Designs

The dashboard and solution table designs are one small piece in the latest iterations of a mission planning system. The design process involved user interviews, weekly mockup reviews, and sponsor engagements.

My Role:
• Lead UX Designer and Human Factors Engineer

Activities:
• Operator and sponsor interviews
• Creating user stories
• Writing requirements
• Recording all user actions into a task analysis

Dashboard ✕

Dashboard

Alerts

Alert Type 1 - Code #### ⌃

[Alert Type 1 is the most urgent type of alert and appears at the top of the list of alerts]
[High level about alert: what the alert is about, the associated solution, etc.]

Alert Type 2 - Code #### ⌄

More ⌄

Action Items

User Actions

Approval Pending ⌃

[The system has generated a solution and is awaiting approval from the appropriate user.]

Scheduled Training ⚠ Overdue ⌄

More ⌄

Sytem Actions

System Generating Solution ⌃

[Shows that the system is generating a solution for a set of parameters. Includes the parameters, time to

Solutions   Solution 1

Recent   **Approved**   Awaiting Approval   Halted

Solution	Vehicle Type	Date Created	Description	Comments
Solution 1	Type 1	08/01/2024 08:30:00	Lorem ipsum	Approved
Solution 2	Type 1	08/01/2024 08:30:00	Lorem ipsum	Approved
Solution 3	Type 1	08/01/2024 08:30:00	Lorem ipsum	Approved

Solution Details

Time Sensitivity [Normal/Urgent]
Vehicle Type [Vehicle name]
Weapon Type [Weapon 1 name]
Option ID [Option ID 1]
Country [Country Name]
Objective #/name [Objective #/name]

Approval Chain

Step 1   [Approval]
Step 2   [Approval]
Step 3   [Approval]
Step 4   [Approval]
Step 5   [Approval]
Step 6   [Approval]

Crew & Vehicle Availability

Calendar Filters

☑ Maintenance
☑ V Change
☐ Crew Change

September ⌄   2025 ⌄

MON	TUE	WED	THU	FRI	SAT	SUN
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

Maintenance
V Change Pending

Messages

● User 1
● User 2
● User 3
● User 4
● User 5
● User 6
● User 7

User 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

You

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

Type a message...   Send ➤

Dashboard ✕   Solutions ✕

Solutions

| Approved Solutions | Pending Approval | Archive | Research | Policy |

Approved Solutions

All Approved Solutions

Excursions

Training

Exercises

Solution Name	Launch Date	Vehicle	Fuel	Departure Location	Arrival Location	Date Created	Date Approved	
Solution 1	MM/DD/YYYY	Type 1	3	Site A	Site B	MM/DD/YYYY	MM/DD/YYYY	Details ⌄
Solution 2	MM/DD/YYYY	Type 1	3	Site A	Site B	MM/DD/YYYY	MM/DD/YYYY	Details ⌄
Solution 3	MM/DD/YYYY	Type 1	3	Site A	Site B	MM/DD/YYYY	MM/DD/YYYY	Details ⌄