



PLAYBOOK

Virtual Pilot for Space Mission Success

An AI system supporting contingency planning for mission planners and crew members, enhancing the existing scheduling tool Playbook by addressing key challenges in planning under constraints and decision-making

RESEARCH INSIGHTS



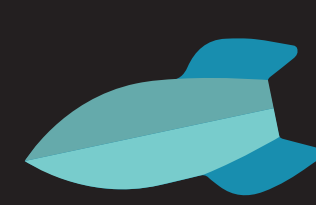
- Challenges in Contingency Planning
- Concerns about AI Reliability
- Struggles with Navigating Constraints and Interdependencies

DESIGN OBJECTIVES



- Explore & Evaluate Pathways
- Enhance AI Collaboration & Trust
- Simplify Complex Information

KEY FEATURES

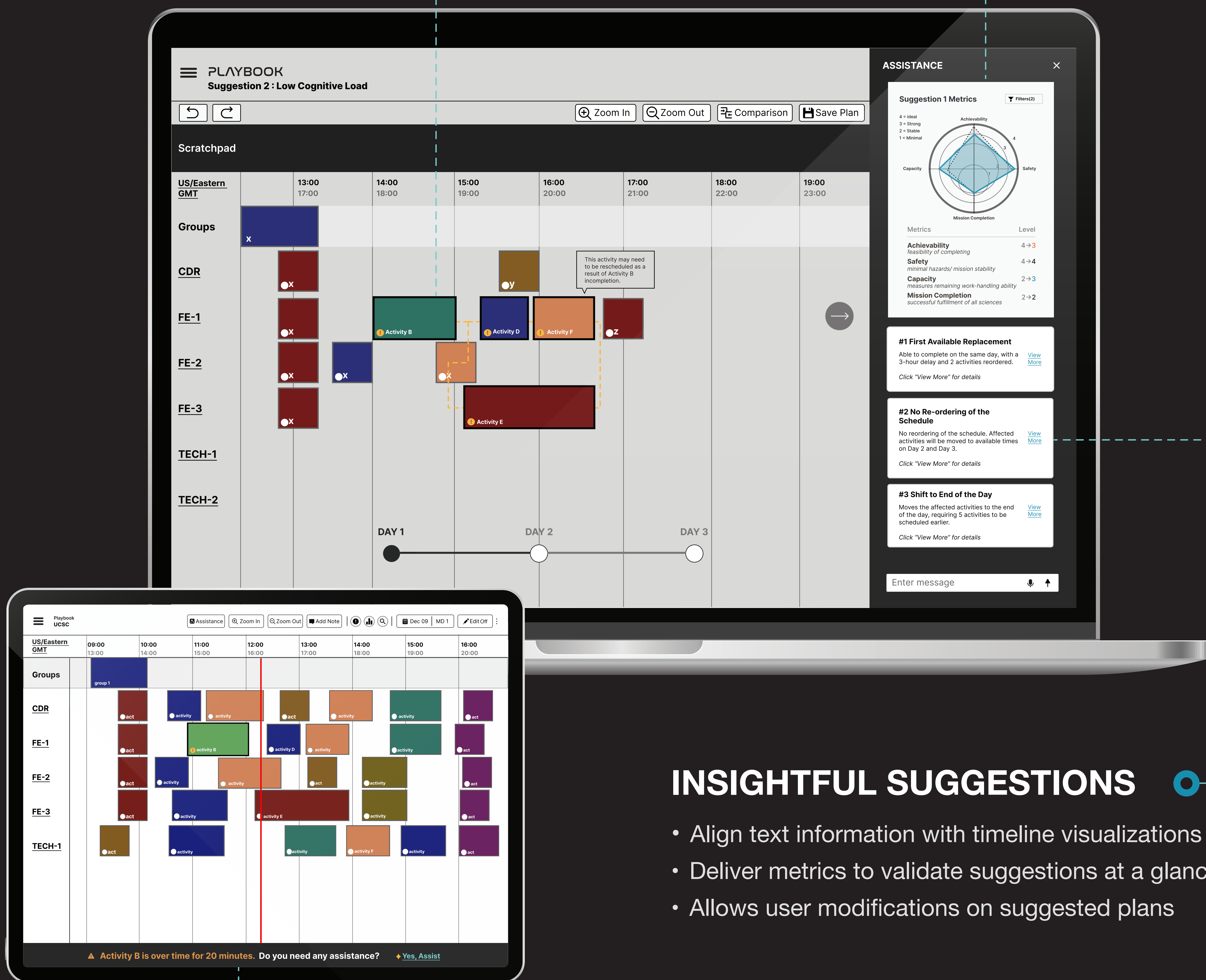


TIMELINE VISUALIZATIONS

- Highlight activity interdependencies and changes
- Provide plan-versus-suggestion comparisons with a multi-day overview

AI ASSISTANCE

- Offer a chatbox with suggested prompts
- Provide detailed, practical suggestions for transparency

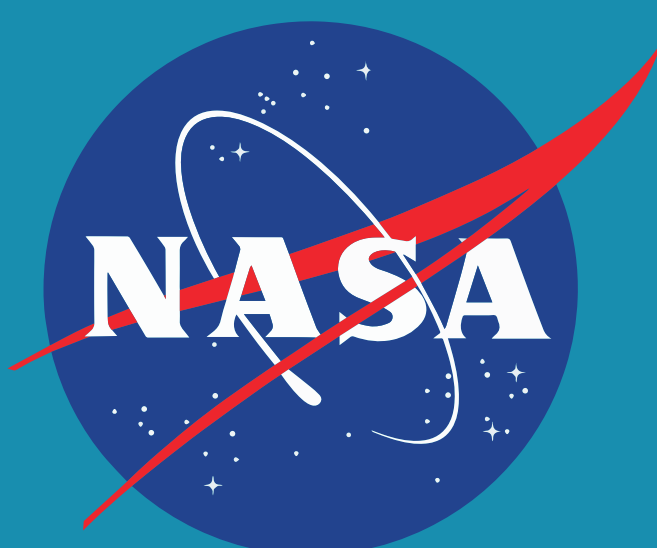


INSIGHTFUL SUGGESTIONS

- Align text information with timeline visualizations
- Deliver metrics to validate suggestions at a glance
- Allows user modifications on suggested plans

REAL-TIME NOTIFICATIONS

- Enable real-time monitoring
- Provide optional 3-step assistance



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