

Space Calendar

Team #22

Members: Sam (Kiara) Grimsley, Audrey Pan, Ella Nguyen, Hart Nurnberg, Yuwen (Reeny) Huang, Lauren D'Souza

#21 Recalculate Event Times

Story Point(s): 3 | Name: Hart

- Allow users to reschedule individual events after receiving their initial suggested time
- Automatically suggest alternate time slots based on availability, preferences, and workload balance
- Increase interactivity and personalization by letting users fine-tune their schedules as needed

#26 Auto-Reschedule on Conflicts or Missed Sessions

Story Point(s): 5 | Name: Hart

- Automatically detect when a user marks an event as missing or conflicting and reassign it to a new available time slot
- Use scheduling logic that maintains balance while minimizing overlap with existing commitments
- Reduce manual adjustments and help users recover from schedule disruptions effortlessly

#33 “Reschedule All” Tool

Story Point(s): 3 | Name: Hart

- Add a tool that lets users completely regenerate their schedule if they want a fresh layout or new timing arrangement
- Recalculate events automatically based on user preferences and available time slots
- Provide flexibility for users who want to experiment with new routines or adjust for major changes

#41 Monthly Overview Heatmap (Average Study Hours)

Story Point(s): 5 | Name: Audrey

- Create a visual heatmap on the monthly calendar to display average study hours per day
- Use color intensity to represent workload, allowing users to spot trends
- Provide a motivating and data-driven way to monitor long-term study consistency

#22 Testing Features (Recurring Requirement)

Story Point(s): 8 | Name: All

- Expand testing coverage as new sprint features are introduced, including data storage, task creation, and scheduling logic
- Begin incorporating unit and integration tests to verify system reliability before deployment
- Emphasize early bug detection and quality assurance as the project transitions from setup into active feature development

#50 Import File Pipeline

Story Point(s): 3 | Name: Kiara

- Parse and validate uploaded calendar data before storing it in the database to prevent duplicates or formatting issues
- Strengthen integration between user-provided data and the internal scheduling system, enhancing overall usability
- Improve on existing file pipeline that was established last sprint, with robust deduplication and widespread usage of models

#52 Submission Video

Story Point(s): 8 | Name: All

- Clean up any existing debug code that is not intended for release
- Write a script for the video that covers all intended behaviors, use cases, and features of the scheduler web app.
- Record demonstration video detailing all use cases and features of the application.