Space Calendar

Team #22
Members: Sam (Kiara) Grimsley, Audrey Pan, Ella Nguyen, Hart Nurnberg, Yuwen (Reeny) Huang, Lauren D'Souza

#25 Set Up Website

Story Point(s): 5 | Name: Kiara

- Expand the existing Django website skeleton with new functionality, including dynamic views, and improved navigation
- Create a smoother and more interactive user experience, integrating pages for preferences, task management, and calendar
- Establishing these foundational pages will make it easier to connect the front-end UI with the back-end logic and prepare the platform for user testing later on

#37 Add "Add Task" Button + Form

Story Point(s): 2 | Name: Ella

- Introduce an interactive "Add Task" button and accompanying form that allows users to input new tasks into the system
- Users will be able to enter various data fields such as title, duration, priority, which the program will later use to populate their calendar
- One of the main user interaction points, bridging user input with automated scheduling functionality

#11 Initial Calendar Space Fill

Story Point(s): 3 | Name: Hart

- Implement the logic that fills available calendar time slots with user tasks
- Take existing events into account and intelligently assign new tasks to open periods in the user's schedule
- Establish core scheduling engine that powers the app's main purpose (automatically organizing a user's study or work time)

#10 Create Preferences (Toggle)

Story Point(s): 3 | Name: Audrey

- Define and implement an initial list of user preferences, such as study length, time-of-day preferences, and productivity windows
- Preferences may be toggled or selected from menus, giving users greater control over how the scheduling algorithm prioritizes their time
- Make the app feel more personalized and adaptable to different working styles

#8 Set Up Data Storage

Story Point(s): 8 | Name: Reeny

- Implement reliable data storage, using either a SQL database or browser-based storage solutions such as cookies or local storage
- Store key information like user preferences, tasks, and calendar data between sessions
- Set up persistent data storage to enable more complex features in later sprints

#15 Set Up Table of Event Categories

Story Point(s): 2 | Name: Reeny

- Create a structured table or database schema for event categories, such as “Study,” “Break,” or “Meeting”
- Categorization will make it easier to filter, color-code, and prioritize events in the UI and scheduling logic
- Will help support future preference matching, and helps make the calendar more visually organized and user-friendly

#17 Existing Event Parsing

Story Point(s): 5 | Name: Lauren

- Develop logic that scans imported calendar files for pre-existing events
- Identify busy and free periods, ensuring new tasks aren’t scheduled during conflicts
- Will help generate realistic and non-overlapping schedules

#28 Error Logging & Crash Reporting

Story Point(s): 2 | Name: Audrey

- Introduce basic error handling and crash-reporting mechanisms to capture unexpected issues during runtime
- Create readable logs that help developers trace and fix problems efficiently without interrupting user experience

- Streamline debugging and improve application stability as more complex features are added

#30 Timezone & Time-of-Day Handling

Story Point(s): 2 | Name: Kiara

- Manage time zones and restrict scheduling to reasonable or user-preferred hours of the day
- Ensure event times remain accurate across different regions and daylight-saving changes
- Improve scheduling precision so tasks align naturally with each user's working or study hours

#31 Recurring Events

Story Point(s): 3 | Name: Hart

- Allow users to create recurring events that automatically repeat on multiple days at consistent times
- Include flexible options for daily, weekly, or custom recurrence intervals
- Strengthen the app's long-term scheduling capabilities and reduce repetitive manual input for users

#39 Display Event List Under Calendar

Story Point(s): 2 | Name: [TBD]

- Display a list of upcoming events directly beneath the calendar view
- The list will include event titles, categories, and times to give users a quick overview of their schedule
- Make it easier to track and adjust scheduled tasks without leaving the main calendar screen

#19 Create Native Calendar UI

Story Point(s): 8 | Name: [TBD]

- Introduce an in-app native calendar interface that lets users visualize their schedules directly within the application
- Display both imported and newly generated events, updating dynamically as users add, remove, or modify tasks
- Provide an intuitive and interactive layout that improves usability and reduces reliance on external calendar tools

#22 Testing Features

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

#47 Artifacts Document

Story Point(s): 5 | Name: Ella

- Compile all sprint stories, descriptions, and planning details into a formal artifact document
- Maintain consistency with past sprint documentation while focusing on upcoming goals rather than completed work
- Ensure clear communication of sprint objectives, priorities, and rationale for each story