

<Assignment 5-2 Design Sprint Day 1>

Group 17:

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Scenarios:

1. Creating a Weekly Schedule - A university student who wants to keep track of his classes, study sessions and club meetings. After uploading all information on the app he can view his schedule in a neat and organized layout.
2. Sharing availability with friends - A group of friends are trying to organize a group study session. They each share their weekly timetables on the app and it highlights overlapping free periods. They find a common time and set up a meeting.
3. Receiving notifications for upcoming events - An individual has a habit of forgetting appointments. So they enable notifications on the app to remind them 15 minutes before their appointment starts.
4. Privacy control - A user uses the app to manage both their personal and work schedule. He sets privacy controls so his coworkers only see his work schedule while his friends only see his personal schedule. All while letting his close friends see both schedules.
5. A small company can use the app to accommodate for part time employee schedules. A student might have a complicated schedule and the app would allow the student to organize their calendar with an employer to allow for less scheduling conflicts.
6. A company creating a meeting schedule. A large company with many moving parts will have complicated schedules between administration. They will use a company calendar so see when everyone has an open slot and will be available for a meeting.
7. A school sports team can use the app to plan practice and game times. They might have a complicated schedule that changes often so it can get confusing. Using the calendar app will allow the coaches to plan around class times and can also send the schedule to fans who want an updated game schedule.
8. Professors to plan office hours. Some professors are really busy and do not want to have the same office hour schedule so their schedule can be more accommodating to. They could use the app to dynamically schedule office hours.
9. Club Meetings: Students can use our product to share their schedules with each other and club leaders to better schedule meetings
10. Group Project Coordination: Students can use our product to coordinate meeting times and share workloads evenly among group members.
11. Study planning: students can plan when to study, what to study, and they can coordinate who to study with.
12. Appointment scheduling: Students can schedule appointments and keep track of any appointments they've scheduled with our product.
13. Meal Planning: Students can use our product to plan their meals
14. Peer tutoring scheduling: allowing students to easily schedule an appointment with a tutor by being able to compare schedules with available tutors.
15. Roommate chore scheduling: allowing roommates to compare schedules and assigning different chores to each roommate based on availability

16. Fitness and Gym Partner scheduling: students and colleagues can schedule different times to workout together by comparing schedules and finding availability.
17. Commuter Carpooling: Students commuting together can schedule the best times to/from drive to campus together based on class schedules and extracurricular activities
18. Looking for friends to have lunch together - Jake, the sophomore student in university, got unexpected free time during the lunch time because the professor just suddenly cancelled the class. He wants to have a great meal with his friends, but since he didn't have a plan, he doesn't know who to ask for. He remembers that he had added his friends to his schedule app so he searches his close friends to find someone with the same free time. Using the app, he finds his close friend James, who didn't have a chance to have a meal together this semester, has free time now. He contacts James and has a great meal, not lonely anymore during the abrupt free time with this app.
19. Scheduling second-hand transaction appointments on campus - Emily has made an appointment with another student in UNCC who wants to buy her used headphones. Since they both take a class on the campus, she wants to trade it face-to-face. However, they are both full of schedules most of the day and it's difficult to choose when and where to meet. For this, they use the app to check each other's schedule time and location to make a trade appointment.
20. Time for family gatherings - Amy has a big family with 8 family members, so it's always tough to find the appropriate time for family gatherings. In the past, they could just fix the date and tell the members to secure that time, but since most of them were employed, it became very difficult to do so. Amy suggests her family use the scheduling app to share their schedules and find out the appropriate time for family gatherings so everyone can finish their work and join the gatherings.

User Stories

1. As a student, I want to create a detailed weekly schedule so that I can keep track of my classes, assignments, and extracurriculars.
2. As a user, I want to share my schedule with selected friends or groups so that we can find common free time.
3. As a professional, I want to receive reminders for upcoming events.
4. As a user concerned with privacy, I want to control who can view specific parts of my schedule.
5. As a professor, I want to collect student availability before creating office hours so I can allow for more engagement and assistance for the coursework
6. As a student, I want to be able to receive notifications when my friends have overlapping free time so I can plan more activities
7. As a part-time worker I want to be able to share my schedule with my employer so I can avoid scheduling conflicts
8. As the president of an on-campus organization I want to easily and clearly communicate with the organization so we do not have any scheduling confusion
9. As a Peer tutor, I want my students to find my availability clearly marked as well as be able to keep track of different appointments I have scheduled throughout the week

10. As a roommate, I want a healthy schedule with my other roommates to keep our living space clean and orderly
11. As a student/professional that cares about fitness, I want a healthy balance between my working commitments and finding time to exercise with my peers as well as to stay in shape
12. As a commuter college student, I want to be able to efficiently manage my time and be able to coordinate a proper ride schedule when commuting back and forth to campus
13. As a student, I want to sync my class schedule with my calendar so that I never miss a lecture or assignment deadline.
14. As a student, I want to be notified when a professor reschedules a lecture so that I can adjust my plans accordingly.
15. As a student, I want to receive suggested study times based on my free periods so that I can develop better study habits.
16. As a student athlete, I want to coordinate practice sessions with my teammates so that we can train together at the best possible times.
17. As a student, I want to set reminders for non-academic tasks (e.g., laundry, grocery shopping) so that I can stay organized.
18. As a family member, I want to share my schedule with my family so that we can gather more often and do work together.
19. As a college student who doesn't want to have meals alone, I want to share my schedule with friends so we can find a meal partner even for the unexpected free time.
20. As a student with lots of group work, I want to share my schedule with other team members so we can find appropriate time for our group meeting.

Feature List

- 1) Schedule Management:
 - a) Create and edit schedules
 - b) Add categories
 - c) Set recurring events
- 2) Social sharing options:
 - a) Share schedule with friends
 - b) View friends' availability
 - c) Suggest and schedule meetings based on common free time
 - d) Share location for each schedule
 - e) Search using people's names
- 3) Reminders and notifications
 - a) Receive notifications for upcoming events
 - b) Send reminders to group for meetings
 - c) Customize notifications settings
- 4) Work and academic integration
 - a) Sync with university schedule
 - b) Track deadlines and due dates
 - c) Allow employers to view current schedule

- 5) Schedule Overlay Feature
 - a) Allow users to overlay different schedules on top of their own according to their preferences
 - b) Use different visualization techniques such as color, bold, italicizing and more in order to compare different schedules
 - c) Allow for a way to find overlapping availability between different schedules
- 6) Time Zone automation
 - a) Allow users in different time zones to coordinate schedules and synchronize timings despite time zones
 - b) allow scheduling notifications that list the timing for events in each different time zone
 - c) allowing for reminder notifications that list the timing of events in each different time zone
- 7) AI-Powered Smart Suggestions
 - a) Automatically suggest optimal meeting times based on shared availability
 - b) Recommend study sessions based on exam schedules and workload
 - c) Provide alerts for over-scheduling or potential time conflicts
- 8) Customizable Calendar Views & Filters
 - a) View schedules by day, week, or month
 - b) Apply filters to show only academic, personal, or work-related events
 - c) Enable dark mode and other theme customization options
- 9) Integrated Task & To-Do List
 - a) Add personal tasks and deadlines directly into the calendar
 - b) Set task priorities and due dates with notifications
 - c) Mark completed tasks and tracked progress
- 10) Offline Mode & Cloud Sync
 - a) Allow users to access and update their schedules without an internet connection
 - b) Automatically sync changes once reconnected
 - c) Store backup copies of schedules in the cloud
 - d) Enable sync across devices