

# Scheduling Platform

## (Calendly Clone)

*SDE Intern Fullstack Assignment*

### Description

Build a functional scheduling/booking web application that closely replicates Calendly's design and user experience. The application should allow users to create event types, set their availability, and let others book time slots through a public booking page. Your implementation should visually resemble Calendly's UI patterns, layout structure, and interaction design.

### AI Tools Usage

You are **allowed and encouraged** to use AI tools such as ChatGPT, Claude, GitHub Copilot, Cursor, or any other AI assistants for development. However, you **must understand every line of code** you submit and be prepared to explain your implementation decisions during the evaluation interview.

### Technical Stack

- **Frontend:** React.js or Next.js (Single Page Application)
- **Backend:** Node.js with Express.js OR Python with FastAPI/Django
- **Database:** PostgreSQL or MySQL (design your own schema)

### Core Features (Must Have)

#### 1. Event Types Management

- Create event types with name, duration (in minutes), and URL slug
- Edit and delete existing event types
- List all event types on the scheduling page
- Each event type should have a unique public booking link

#### 2. Availability Settings

- Set available days of the week (e.g., Monday to Friday)
- Set available time slots for each day (e.g., 9:00 AM - 5:00 PM)
- Set timezone for the availability schedule

#### 3. Public Booking Page

- Month calendar view to select a date
- Display available time slots for the selected date
- Booking form to collect invitee's name and email
- Prevent double booking of the same time slot
- Booking confirmation page with meeting details

#### 4. Meetings Page

- View upcoming meetings
- View past meetings
- Cancel a meeting

## Good to Have (Bonus)

- Responsive design (mobile, tablet, desktop)
- Multiple availability schedules
- Date-specific hours (override availability for specific dates)
- Rescheduling flow for existing meetings
- Email notifications on booking confirmation/cancellation
- Buffer time before/after meetings
- Custom invitee questions on booking form

## Important Notes

- **UI Design:** Your application should closely resemble Calendly's design. Study Calendly's UI carefully before starting - visit [calendly.com](https://calendly.com) to understand the user flows and interface patterns.
- **No Login Required:** Assume a default user is logged in for the admin side (event types, availability, meetings). The public booking page is accessible without login.
- **Sample Data:** Seed your database with sample event types and a few meetings.
- **Database Design:** Design your own database schema. This will be evaluated.
- **README File:** Include setup instructions, tech stack used, and any assumptions made.
- **Original Work:** Plagiarism from existing repositories will result in immediate disqualification.

## Submission

- Upload your code to GitHub and ensure the repository is **public**
- Deploy your application (Vercel, Netlify, Render, Railway, or any cloud service)
- Submit both the GitHub repository link and the deployed application link

## Evaluation Criteria

Criteria	What We Look For
Functionality	All core features working correctly
UI/UX	Visual similarity to Calendly's design and UX patterns
Database Design	Well-structured schema with proper relationships
Code Quality	Clean, readable, and well-organized code
Code Modularity	Proper separation of concerns, reusable components
Code Understanding	Ability to explain your code during evaluation

## Timeline

**Submission Deadline:** 2 days from the date of receiving this assignment

*Good luck!*