```jsx
import React, { useState, useEffect, useRef } from 'react';
import { Sparkles, X, Send } from 'lucide-react';

// --- MOCK DATA & STYLING (from provided code) ---
const mockProject = {
    id: 6,
    title: "Pollinator Havens Project",
    mission: { name: "Urban Greening Initiative" },
    leader: { name: "Alexina B." },
    completionDate: "2025-08-15",
    location: "City Park, Community Garden Section",
    collaborators: [
        { id: 201, name: "David Kim" },
        { id: 202, name: "Sarah Chen" },
        { id: 203, name: "John S." },
    ],
};

const colors = { background: 'bg-black', card: 'bg-[#1a1a1a]', text:
'text-white', textMuted: 'text-gray-400', primary: 'text-lime-400',
primaryBg: 'bg-lime-400', primaryBgHover: 'hover:bg-lime-500', accent:
'#a3e636', border: 'border-gray-700' };

// --- HELPER COMPONENTS (from provided code) ---
const Card = ({ children, className = "" }) => ( <div
className={`${colors.card} rounded-lg p-6 border ${colors.border}
${className}`}> {children} </div> );
const Button = ({ children, onClick, variant = 'primary', className = "",
type = 'button', disabled = false }) => {
    const baseStyle = 'px-4 py-2 rounded-md font-semibold transition-all
duration-300 flex items-center justify-center gap-2 disabled:opacity-50
disabled:cursor-not-allowed';
    const styles = { primary: `${colors.primaryBg} text-black
${colors.primaryBgHover}`, secondary: `bg-transparent border-2
${colors.border} ${colors.text} hover:bg-gray-800` };
```

```
    return ( <button type={type} onClick={onClick} className={`${baseStyle}
${styles[variant]} ${className}`} disabled={disabled}> {children}
</button> );
};


// --- CORE COMPONENT: Project Hub ---
const ProjectHub = ({ setPage, project }) => (
    <div className="max-w-5xl mx-auto py-8 px-4">
        <h2 className="text-4xl font-bold mb-2">{project.title}</h2>
        <p className="text-gray-400 mb-8">Welcome to your Project Hub. This
is the central space for your team to collaborate.</p>
        <div className="grid grid-cols-1 lg:grid-cols-3 gap-8">
            <div className="lg:col-span-2">
                <Card>
                    <h3 className="text-2xl font-bold mb-4">Project
Chat</h3>
                    <div className="h-96 bg-gray-900 rounded-lg flex
flex-col p-4">
                        <div className="flex-grow overflow-y-auto mb-4
space-y-4">
                            {/* Mock chat messages */}
                            <div className="flex items-start gap-2.5">
                                <img className="w-8 h-8 rounded-full"
src="https://placehold.co/100x100/7c3aed/FFFFFF?text=DK" alt="David Kim"/>
                                <div className="flex flex-col gap-1 w-full
max-w-[320px]">
                                    <div className="flex items-center
space-x-2 rtl:space-x-reverse">
                                        <span className="text-sm
font-semibold text-white">David Kim</span>
                                        <span className="text-sm
font-normal text-gray-500">11:46</span>
                                    </div>
                                    <div className="flex flex-col
leading-1.5 p-4 border-gray-200 bg-gray-800 rounded-e-xl rounded-es-xl">
```

```html
                                                <p className="text-sm font-normal
text-white">So excited for this Saturday! Is there anything specific I
should prepare?</p>
                                            </div>
                                        </div>
                                    </div>
                                    <div className="flex items--start gap-2.5
justify-end">
                                        <div className="flex flex-col gap-1 w-full
max-w-[320px]">
                                            <div className="flex items-center
space-x-2 rtl:space-x-reverse justify-end">
                                                <span className="text-sm
font-semibold text-white">You (Alexina B.)</span>
                                                <span className="text-sm
font-normal text-gray-500">11:47</span>
                                            </div>
                                            <div className="flex flex-col
leading-1.5 p-4 border-gray-200 bg-lime-800 rounded-s-xl rounded-ee-xl">
                                                <p className="text-sm font-normal
text-white">Hey David! Just bring your enthusiasm and maybe some gardening
gloves if you have them. We'll provide everything else. Can't wait to see
you!</p>
                                            </div>
                                        </div>
                                        <img className="w-8 h-8 rounded-full"
src="https://placehold.co/100x100/a3e636/101010?text=AB" alt="Alexina
B."/>
                                    </div>
                                </div>
                                <div className="flex items-center gap-2">
                                    <input className="flex-grow bg-gray-800 border
border-gray-700 rounded-lg py-2 px-3 focus:outline-none focus:ring-2
focus:ring-lime-400" placeholder="Type your message..."/>
                                    <Button className="!px-3"><Send
size={20}/></Button>
```

```jsx
                    </div>
                </div>
            </Card>
        </div>
        <div className="space-y-8">
            <Card>
                <h3 className="text-xl font--bold mb-4">Project
Overview</h3>
                <div className="space-y-2 text-sm">
                    <p><span className="font-semibold
text-lime-400">Mission:</span> {project.mission.name}</p>
                    <p><span className="font-semibold
text-lime-400">Leader:</span> {project.leader.name}</p>
                    <p><span className="font-semibold
text-lime-400">Completion Date:</span> {project.completionDate}</p>
                    <p><span className="font-semibold
text-lime-400">Location:</span> {project.location}</p>
                </div>
            </Card>
            <Card>
                <h3 className="text-xl font-bold mb-4">Collaborators
({project.collaborators.length})</h3>
                <div className="space-y-3">
                    {project.collaborators.map(c => (
                        <div key={c.id} className="flex items-center
justify-between bg-gray-900 p-2 rounded-md">
                            <p>{c.name}</p>
                            <Button variant="secondary" className="!p-1
!text-xs text-red-400 hover:bg-red-900/50"> <X size={14} /> </Button>
                        </div>
                    ))}
                </div>
            </Card>
            <Card>
                <h3 className="text-xl font-bold mb-4">Leader
Toolkit</h3>
```

```jsx
                    <div className="space-y-4">
                        <Button className="w-full" onClick={() =>
alert("Navigating to Form II...")} disabled>
                            Complete Project & File Impact (Form II)
                        </Button>
                        <Button variant="secondary" className="w-full">Edit
Project</Button>
                        <Button variant="secondary" className="w-full
text-red-500 hover:bg-red-900/50">Cancel Project</Button>
                    </div>
                </Card>
                <Card className="bg-lime-900/50 border-lime-700">
                    <h3 className="font-bold text-xl mb-2 flex items-center
gap-2 text-lime-300"><Sparkles size={20}/> AI Guide</h3>
                    <p className="text-sm text-lime-200">The AI Guide can
provide tips on engaging your collaborators and maximizing your project's
impact.</p>
                </Card>
            </div>
        </div>
    </div>
);


// --- MAIN APP SHELL (for demonstration) ---
export default function App() {
    const [page, setPage] = useState('ProjectHub');

    const renderPage = () => {
        switch(page) {
            case 'ProjectHub':
                return <ProjectHub setPage={setPage} project={mockProject}
/>;
            default:
                return <ProjectHub setPage={setPage} project={mockProject}
/>;
        }
```

```
    };

    return (
        <div className={`${colors.background} ${colors.text} min-h-screen
font-sans`}>
            <main>{renderPage()}</main>
        </div>
    );
}
```