**Fullstack Web Development Assignment: Google Drive Clone**

### Build a simplified Google Drive Clone with key features like file upload, folder creation, user authentication, and file browsing using React, Next.js, Node.js, and a database/storage of your choice.

# **⏱ Timeline**

| Item | Details |
| --- | --- |
| Start Date | [Insert Start Date Here] |
| Due Date | [Insert Due Date Here] |
| Total Time | 1 week |

# **🧰 Tech Stack**

| Category | Technology |
| --- | --- |
| Frontend | React.js + Next.js (prefer App Router) |
| Backend | Node.js (Next.js API routes or Express) |
| Database | PostgreSQL / MongoDB / Supabase / Prisma |
| File Storage | Local, AWS S3, Firebase, or Cloudinary |
| Authentication | Clerk / NextAuth.js / Firebase Auth / Auth.js |
| Styling | Tailwind CSS / ShadCN UI / Custom CSS |

# **🚀 Core Features ✅ Required**

## **User Authentication**

### Sign up / Log in / Log out

### Protected routes

## **File and Folder System**

### Create folders

### Upload files to folders

### View file/folder structure (tree or list)

## **File Management**

### Rename / Delete files and folders

### Basic preview (PDF, image, or file info)

## **User-specific Storage**

### Each user can only access their own files/folders

## **Responsive UI**

### Mobile & desktop friendly design

# **⚠️ Common Pitfalls / Warnings**

### Do **not** store actual files in the database — only store metadata

### Protect your routes — no unauthenticated uploads

### Handle **CORS** issues if frontend/backend are separate

### Test for upload limits and file size handling

# **📤 Submission Guidelines**

### GitHub repository link

### Live deployed version (e.g., Vercel for frontend, Render for backend)

# **📬 Questions?**

### If you have any questions or need clarification during the assignment, feel free to reach out

engineering@soraunion.com

### 

### We’re happy to help!

### **Prepared by**: Sora Union Engineering Team