**Documentation**

**Kraftbase Frontend Assignment**

**Live Demo**

[kraftbase-brand.vercel.app](https://kraftbase-brand.vercel.app)

**GitHub Repository**

[Abdul1810/kraftbase\_assignment](https://github.com/Abdul1810/kraftbase_assignment)

**🧠 Implementation Overview**

This project is a frontend clone of the [Dropbox Brand](https://brand.dropbox.com/) homepage, focused on replicating its visual design, layout, and animations with attention to responsiveness and smooth UX.

**🔧 Tech Stack**

* **Next.js + TypeScript**: Best React Framework.
* **Tailwind CSS**: Utility-first CSS for responsive design and fast styling.
* **Framer Motion**: For clean and best for React.
* **Vercel**: Hosting the live demo.

**🧱 Architecture & Approach**

**Component-Driven Structure**

The UI is built using reusable, atomic components for maintainability and scalability:

* card.tsx — Card Skeleton for Bento Cards
* animated\_box.tsx — Two Boxes with Animation
* grid\_lines.tsx — Grid background with scrolling effect.
* page.tsx — Main screen layout has all components in it.

**Mobile-First Responsive Design**

Used Tailwind's responsive utilities (sm, md, lg, etc.) to ensure the layout scales beautifully from small screens to desktop. Animations are only activated when visible.

**Why Framer Motion?**

I chose Framer Motion for this project because it integrates well with React, offers a clean architecture, and provides solid control over animations. I didn’t go with GSAP because it’s more complex to work with.

**🧩 Key Features**

* **Scroll-triggered animations** via useScroll + useTransform hooks from Framer Motion
* **Grid layout** matching Dropbox’s brand grid feels
* **Custom components** for typography, imagery, icons, and branding
* **Interactive cards** with hover and scroll state-based motion
* **Optimized for performance** using pointer-events and conditional rendering

**🖼️Design Deviations**

* **Design** is reimagined the Dropbox site with Kraftbase vision.

**🧑‍💻 Dev Best Practices**

* **Type-safe components** with strict TypeScript interfaces
* **Clean file structure** separating components and sections
* **Responsive grid system** following a utility-first strategy
* **Consistent animation timing** and easing for a unified motion experience

**🧪 Testing**

Manually tested across:

* Chrome, Firefox
* Mobile devices

**💻Running Local**

To run this project in your device. Follow below steps.

1. Make sure Node.js version 18.x or above is installed on your device.
2. Clone the Repo:  
   git clone <https://github.com/Abdul1810/kraftbase_assignment.git>
3. Install NPM Packages - npm i
4. Run the application using - npm run dev
5. Go to <http://localhost:3000/> in your browser

**#️⃣Author**

Abdul Rahman N

GitHub: <https://github.com/Abdul1810>

Mail: [abdulrahman18102003@gmail.com](mailto:abdulrahman18102003@gmail.com)