Assignment 7

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The sublease finder app, Sub4You, has real-world constraints that will inform the design and development process. Economically, we are on a limited budget, so we are planning to utilize free tools or open-source software, and student cloud credits not expensive paid platforms, to build our app. This means we need to thoughtfully consider the balance of features, performance, and cost. Ethically, we are creating the app to be fair and transparent. Our roommate matching systems will be bias-free so all users will not be treated differently based on background or income. We will also want users to be informed and understand data usage, have minimal data collection, and feel empowered to choose what information to share. Legally, we must also ensure we are in compliance with housing and privacy laws. This will include using only verified listings, adhering to copyright, and protecting user data. Security is a priority because our app users will be sharing their personal and financial information. We will include user logins and encrypted storage, and use fraud detection of potential scam listings. These constraints may limit our features and functionality at the start; however, ultimately these constraints will create a safer, fairer, and more trustworthy experience for all app users looking for a space to live.