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CS 313
Project 2 Proposal

NodeJS Database

My second web app will be a simple personal, programmable database. The idea is to have a way to store data online, such as a personal recipe book or a data log for a video game, with an API to access it from a mobile browser or command-line interface. This database will be rather open-ended as I intend to use it for various things as opposed to having one specific purpose; for example, I will include a random-number generation endpoint, an encryption/ciphering endpoint, a database access endpoint, etc.

My database will also be very general-purpose and have a customizable web portal UI (i.e. via a user preferences page). Again, this will be a way for me to store my own data online so that I can access it from virtually anywhere. I will ensure user secure account access using SSL, sessions and password hashing, and a private API key will be stored to gain access from the command-line or from a Java app. The web portal will be an SPA.