Intuitive UI Design Write-Up

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We have designed and implemented a UI that allows users to perform the four HTTP requests: HTTP GET, HTTP POST, HTTP PUT, and HTTP DELETE. We designed our UI to streamline these four requests by making them buttons/text fields, which are easily accessible to perform these requests. Since the request functionality will help us with our final project, we chose to make this as simple and as seamless as possible for easier implementation. For our GET request, we chose a simple button as the widget to be interacted with because GET is the simplest request, and it doesn't make sense to read any input from the user. The GET request simply sends a request to the server, and the server sends a response of the data. For our POST request, we have implemented a EditText widget so that the user can add any piece of data they want to the server's database. This makes sense because the user can enter an exact string (that will convert to JSON) to store in the server's database as well as a respective JSON ID to make changes to. For our PUT request, we serve similar functionality as the POST request. The main difference is that the user specifies what they want to add onto the data. For example, if the user wanted to add a color onto the JSON Object of id="1", then they can simply type "green" and the JSON Object will update by PUTTING the color "green" into the object id of "1" (ex: {"1","green"}). Finally, for our DELETE request, this EditText widget will delete the piece of data specified by the user (including ID). Ultimately, our design choices open up opportunities for us to add onto our final project by branching out our ideas of collecting data and storing it on a server (or even a database).