Proposal For Building SQL Database Application

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**Background:** This project is motivated by students and young professionals seeking to create a seamless fruit selection when packing for the day. Whether the client is beginning their day at work, or planning a long trip, Fruit Now is the ideal tool. Modern day fruit selection consists of standing and looking at fruits in the store for hours, but how can we be expected to plan our fruits for the week when we don’t even know if it’ll be ripe by then. Using present day technologies combined SQL users will be able to create a query where they can see and filter their fruit selection in real time. Creating an immersive experience for both the client and student developer.

**Application Requirements:** Here, we would be providing the user with a data base with all the physical traits that are included in fruit, making the selection process seamless for the client. Some of the filters that we would be using, to allow the user to make different queries, including but would not be limited to; Fruit Kind, Peel (Does the fruit need to be pealed or can it be eaten raw), Size (Proportioned to hand), Seeds, Sweet and lastly sour.

Here, we would also allow corrections as well as additions to the database by the user. As new fruits become available in different regions they can be added with their characteristics. As well as corrections, as taught in lecture, errors can arise thus we can have data that is being contributed the area for it to be edited.

Along with a picture of the fruit, the database would also allow for the characteristics to be displayed in a final table form, with this we can include room for future possibilities that could include nutritional value as well as similar fruits to the one that has been selected. Finally, the database would also allow for users to search for specific fruits, by name, and see the characteristics of them.

Say the user was curious about a specific kind of fruit and may want to look up if it has seeds or approximate size, they would have that ability with this software. The target size of our database would be somewhere in the thousands. According to fruitsinfo.com, there are proximity anywhere to 2000 – 390,900 kinds of fruit depending on how you categorize (Ex; Apple induvial or every kind of Apple by color). I plan to hit an educational point of in the thousand but have the database editable to allow for users to add more data as they wish. In my ideal scenario, the application should permit users, including those without a background in exotic fruit to be able to use the database without any hesitation as well expose the users to a healthy lifestyle with a diverse fruit plate. Within this timeframe I plan on hosting the application online, similar to something like Food2Fork and other similar websites.

**Due Diligence:** Because the data and database that has been proposed include very public knowledge, we should not have any kinds of implication in terms of copyright information. The condense of certain foods is public as they can have health complications if taken in the wrong form.

**Sample Documents:** Because the kind of data we are looking at is common knowledge, many sites just like this one offer pictures as well as the distinguishing characteristics of these fruit.

