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Short Report

The problem my application attempts to solve is providing a mobile service between businesses and farmers. Instead of having a business go to store the idea is that they instead can place this order on their phone and have it ready for pickup from a farmer near them or of any one of their choice. This cuts out the middle man for both the farmers and restaurants and allows for a direct exchange between these two groups. The data gathered from these exchanges can be used to provide valuable analytics to both the farmer and the business in question.

The goal of this project was to have myself build an application that both read and wrote data in real time. This was important because I have never taken a database class and struggle creating and using databases.

Alternative approaches included using an SQL database called Xampp this approach though did not synch as well with my application and proved to be challenging Another approach was using googles firebase firestore database. This involved complicated calls using Document ids and a NoSQl structure. This approach was not chosen because implementation became too complicated and was immediately out of my dept.

The chosen approach was google firebase real-time database. This implementation was a little less difficult. I also had more resource available for this approach which is one of my justifications. This type of database sync well with my application and if I had the time would have provided me invaluable tools do provided my users with analytical feed back on their customers.