Peer Review Summary

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The peer reviews helped me to feel like I am going the right direction with the application. Since the last time I demoed my application, I made some significant changes to the underlying data structures. This led to small changes in the UI and the direction it was going. These changes received positive feedback and I received some suggestions that are consistent with new direction.

One of the challenges I faced was working with OrientDB in the Azure cloud. Azure natively only supported v2 of OrientDB when I had built my database locally using v3. While I could have set up a VM in Azure and configured it to use v3, it would not have fit in Azure’s free tier. After downgrading my database to v2, rewriting the queries, and deploying the database for a month on Azure, I found out that the v2 deploy was also not in the free tier. I solicited some feedback from my team about how I could deploy OrientDB in a free environment and they found several options that I had missed in my research. Once the class is over, I am going to take down my Azure instance of OrientDB but when I redeploy the app, I will use one of the other solutions from the feedback.

Another area the feedback was useful was in helping me identify which reports are most desired. The whole point of the application I am creating is to allow users to view the data retrieved by IoT devices. However, reporting is a huge field and it is not possible to provide every report a user may want. My team provided good feedback on specific types of reports they would like to see and I agree with the feedback. I will be implementing reports on variables over time and also combine data from various devices into a single chart.