

## Integration Testing (Mobile Application & MySQL)

The goal for integration dealt with implementing the mobile application with the MySQL database. However, for the final demo, we were not able to get a fully integrational mobile application with the database due to miscommunication with the group member working on the PHP side. The way that the mobile application will connect with the database involves the mobile application going through an intermediary medium such as a webservice. I spent many hours trying to get it working without an intermediary medium and tried using connect and SQL commands to try to get it to connect. You'll see from the code, first hand, what I tried to implement. I at first was getting an error that it was unable to find any drivers to connect to, so to relieve this issue I needed to import a separate driver into Eclipse and have it load up with the application. Without the driver, there wouldn't be a way for the application to connect to the database.

Once the driver issue was solved, I was finally able to connect somewhat to the database, however I would just return null values, or maybe I was wrong and just didn't connect to the database at all. For this to work out, I needed the person working with the PHP portion to encode all of the data or values that I requested into JSON (Javascript Object Notation). Only then I believe, I would properly integrate the mobile application to pull whatever data I needed from the database. This would fall under the future work section, I and if I had a little more time, and proper communication, I would have been able to get the integration going for the project.

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