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**Experiment 6:**

**NoSQL Database Models**

CPE106L (Software Design Laboratory)

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## **PreLab**



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| **Readings, Insights, and Reflection**  Lee, Fernandez, and Taguiam (Book)  The book discusses and gives insights in to the many different aspects of developing cross-platform mobile and web applications. It discusses things such as UI, navigation, data storage, and more. Some of the more specific things that we discussed were the design considerations a developer should have when making UIs such as a responsive design. It also delves into implementing authentication and authorization mechanisms which are important for the interaction of data between the application itself and external sources.  Lee, Fernandez, and Taguiam (MongoDB Manual)  The first link is a manual on MongoDB. MongoDB is an open-source NoSQL database management system which is both flexible and scalable, making it very popular with users. The manual is divided into multiple sections with sections such as how to get started to installations to the different ways to use MongoDB. It taught us how to use the different features of MongoDB, the documentation of the commands, data models, and everything else we need to know on how to use MongoDB.  Lee, Fernandez, and Taguiam (SQLite Tutorial)  The second link is a tutorial on SQLite. The link is an image with a sample database diagram with primary keys and the different connections. It has multiple different tables with each table being connected to at least one other table with a different type of line which determines their relation to each other. |
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