# Upgrade Plan for Fitness Center

The Client is a local fitness center that stores client information locally on a command line interface that employees find difficult and confusing to use. They have asked to upgrade their system to a GUI (for data entry and visualization) that has backend database for client information storage for ease of use.

Requirement Plan (what need to be done to support this upgrade)

1. Most importantly, making a backup of the old data for GUI testing
2. Develop GUI that is easy to understand and use.
3. Find database software that will work with both GUI and current data.

Development Plan (how to implement this upgrade with programming details explanation including technical details on this document)

1. Backup old data
2. Develop GUI
3. Connect GUI to database
4. Migrate old backed-up data to new database

Testing Plan (how to ensure that the new upgrade works without affecting current system and no data lost.)

1. Ensure that New GUI can access/update migrated data.
2. Test with current employees for ease of use.

Recommendations

1. Write GUI code in Java
2. Use MongoDB for database
3. Keep data backup in separate location