

Yindi Ma #83111744  
Qiren Feng #52601026

### Optimization Report For Project3

For this project, we used the following method to optimize our code to achieve ultimate efficiency in data processing. Our methods are batch insertion and caching.

Batch insertion: Using batch insertion allow us to compile all similar insertion to one insert move. Covering thousands of actions into one move would reduce duplicated connection and disconnection. Hence, improved efficiency in data processing.

Caching: we used cache to decrease the time to communicate with database, and we use those cache within the process of insertion.