## Relational Diagram:

Users(<u>email</u>:string, name:string, password:string)
Portfolios(<u>portfolio\_id</u>:string, name:string, cashAmount: float)
Holdings(totalQuantity: integer, <u>stock\_ticker</u>:string, <u>portfolio\_id</u>:string)
Stock(<u>ticker</u>:string, name:string)
DailyStockRecord(<u>timeStamp</u>:integer, high:integer, low:integer, open:integer, close:integer, volume:integer, <u>symbol</u>:string)

## Functional dependencies:

Email -> name, password

Portfolio\_id -> name, cashAmount

Stock\_ticker, portfolio\_id - > total\_quantity

Ticker -> name

timeStamp, symbol -> high, low, open, close, volume