Relational design

stocksdaily(<u>symbol</u>, <u>timestamp</u>, open, high, low, close, volume)
new_data(<u>symbol</u>, <u>timestamp</u>, open, high, low, close, volume)
users_stock(<u>portfolio_name</u>, <u>user_email</u>, <u>symbol</u>, quantity)
portfolio(<u>name</u>, <u>user_email</u>, cash_balance)
portfolio_user(<u>email</u>, password)

old_stock_description(<u>portfolio_name</u>, <u>user_email</u>, <u>symbol</u>, <u>timestamp</u>)
new_stock_description(<u>portfolio_name</u>, <u>user_email</u>, <u>symbol</u>, <u>timestamp</u>)
portfolio_has_stock(<u>portfolio_name</u>, <u>user_email</u>, <u>symbol</u>)
user_has_portfolio(<u>user_email</u>, <u>portfolio_name</u>)