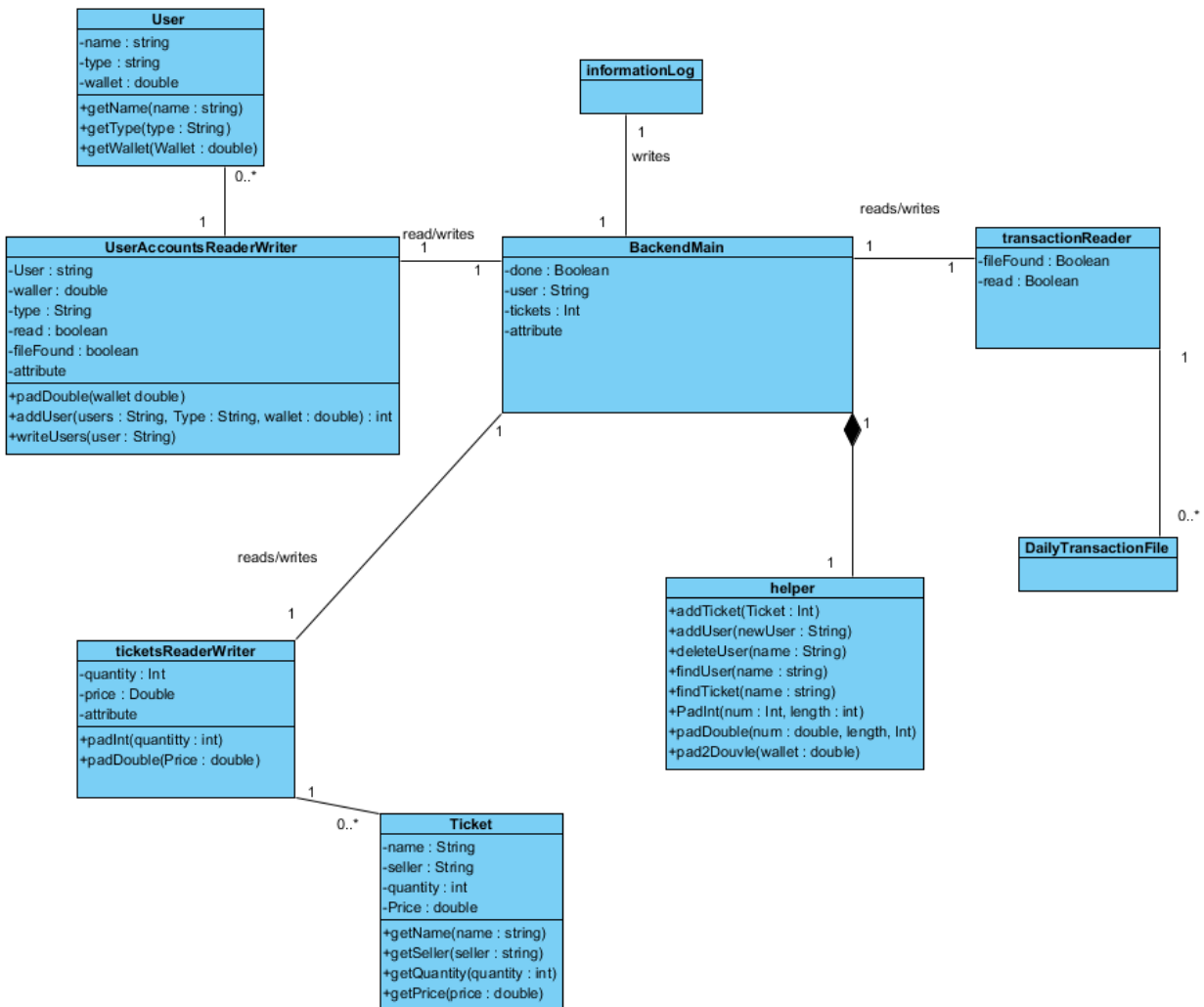


Ticket Sales Project  
Phase 4  
Team Name Working

Ryan Morton - 100485285  
Thomas Frantz - 100484424  
Alvin Lee- 100484342

## Class Diagram



## Class Description

The BackendMain class takes the input created by the front end and updates the current information stored in the file so that it is new and correct. It will read the current transaction and until it is finished, it will continue to call the helper class for operations to be completed and the information would be saved and transferred to the other classes, the userAccountsReaderWriter and the ticketsReaderWriter.

The helper class is there to help the system perform operations different operations whenever one of the methods is called. The addTicket method adds a new ticket into the ticket array in the ticket file. The addUser function adds a new user to the user file whenever a new account is created. deleteUser deletes the user inputted and findUser just finds the user. findTicket finds the ticket in the ticket file, padInt is used for padding integers with zeroes. padDouble is used to pad doubles with zeroes.

The `userAccountsReaderWriter` class takes the user information text file and applies the changes that were received from the `backendMain`. The user class simply grabs the information from the user file. It grabs the name, its account type, and wallet. It also updates the wallet information with the `updateWallet` where they add or subtract the value.

The `ticketReaderWriter` is similar to the `userAccountsReaderWriter` where it reads the ticket file, pulls information, and applies changes to it. The only difference this time is that it's about the tickets instead of users.

The transaction reader reads the transactions from the transactions file.