# Choreganizer:

An organization app for roommates

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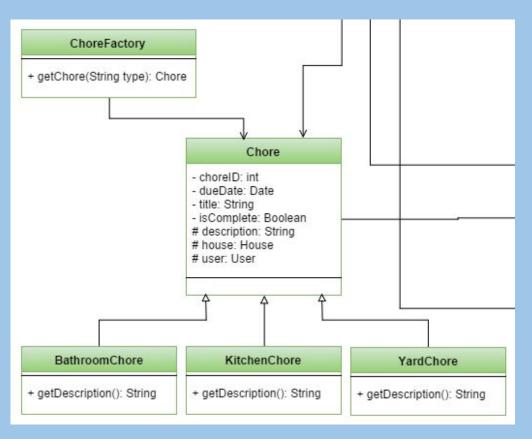
### **Demonstration**

watch and be amazed

Video of Demo: <a href="https://github.com/psevery/Choreganizr/blob/master/ChoreganizrDemo.swf">https://github.com/psevery/Choreganizr/blob/master/ChoreganizrDemo.swf</a>

# **Chore Factory**

- Simple factory to create different types of chores
- Adhere to the Open/Closed Principle



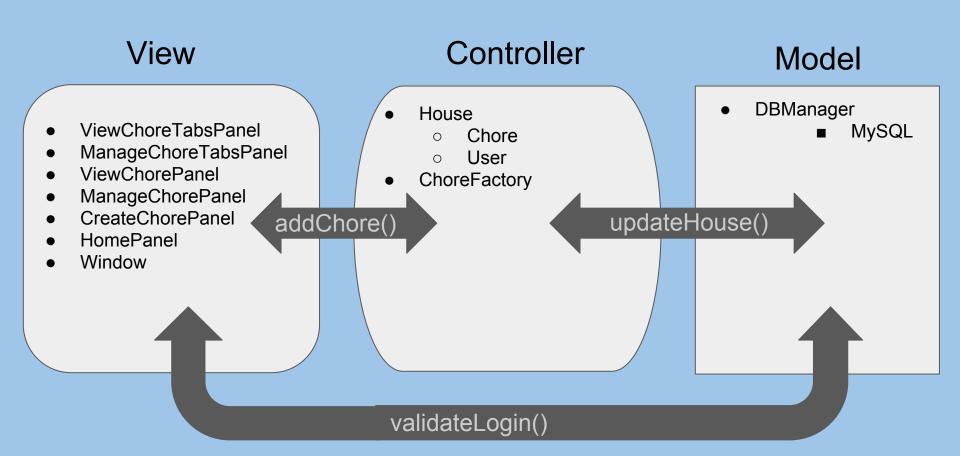
# DatabaseManager: Singleton

- Database access was facilitated through the use of the DBManager class.
- This was implemented as a Singleton because having multiple instances active could causes issues with concurrency.

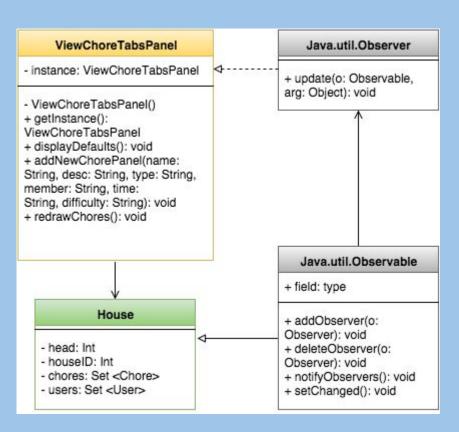
#### **DBManager**

- databaseManager: DBManager
- DBManager()
- + getManager(): DB Manager
- + insertHouse(h: House): Long
- + getHouse(ID: int): House
- + updateHouse(h: House): void
- + deleteHouse(h: House): void
- + insertUser(u: User): Long
- + getUser(name: String): User
- + updateUser(u: User): void
- + insertChore(c: Chore): Long
- + deleteChore(c: Chore): void
- + validateLogin(username: String, passwd: String): Bool

## **MVC**



### ViewChoreTabsPanel: Observer



- ViewChoreTabsPanel observes
  House, updating when new Chores
  are added
- Creates the MVC architecture
- Good for low coupling

