

Program Title: Rental Store Program
Team: Natnael Abraha & Josh Barber
Language: Java
Environment: Eclipse

Description: We've used a Factory pattern for the tools, a Strategy Pattern for customers and a Singleton Pattern of the rental store. We've also use hashmaps to keep track of max rent time, tools and rented dates. One hashmap utilized the customers name for the key and the max rent time for the value in order to keep track of when that specific customer was supposed to return the tools to the store. We used this hashmap along with another hashmap that kept track of the tools rented to create a record during each day the store was open. We weren't sure how to implement the decorator pattern for the options for the extension cord, accessory kit, and the protective gear package.

