

I used two separate collection types in my application as I had two collections.

The first collection was obviously a collection of tickets. After much deliberation I decided on using HashMap. I used HashMap as I wanted the ticket numbers to be unique, but I also didn't care what they were. Initially I was going to use an integer and just "count up" but I didn't like that idea as there could have been conditions where the counter would have started over and I'd be reusing integers I used before. HashMap allowed me the flexibility of accessing any ticket anywhere in the list by name without doing a loop.

The second collection was a very simple ledger of transactions. I used ArrayList for that because the only use of the ledger would have been to iterate through the whole thing. I didn't care (and expected) entries to be non-unique (ex: lost ticket) so the list was my option.

Both collections were properties of the garage.

UML:

