Assignment-1

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PROCESS OF CODING THE WHOLE THING

I started off by adding in the classes and methods first and then, bit-by-bit, integrating all the different parts of the code to work. The code ended up just increasing in size a lot and requires a lot of refactoring. I ended up focusing more on adding functionality than making it light.

HIGHLIGHT: ADDING AN ALERT NOTIFICATION FOR AN ACTIVE RENTAL

```python
# code.py
    if self.renting:
        print("You currently have an active rental")
        for customer in customers:
            if customer["c_id"] == self.c_id:
                last_vehicle = list(customer["rental_history"])[-1]
                print(customer["rental_history"][list([last_vehicle])[-1]][0])
                delta =
                    relativedelta(days=+customer["rental_history"][list([last_vehicle])[-1]][-1])
                print(f"Due date : {self.date_rented + delta}")
                print(f"Days remaining : {self.date_rented + delta -
                    date.today()}")
```

This part required the most research. Adding and working with the 'datetime' package was pretty fun. The feeling of the alert finally working and not showing a TypeError for the 100000th time was nice.

Most encountered error : KeyError (Working with dictionaries in dictionaries)