In [13]:
```
class Library:

    def __init__(self, listOfBooks):
        self.availableBooks = listOfBooks

    def displayAvailableBooks(self):
        print()
        print('Available Books: ')
        for book in self.availableBooks:
            print(book)

    def lendBooks(self, requestedBooks):
        if requestedBooks in self.availableBooks:
            print('You have now borrowed the book')
            self.availableBooks.remove(requestedBooks)
        else:
            print('Sorry, the book is not available')

    def addBook(self, returnedBook):
        self.availableBooks.append(returnedBook)
        print('Thanks for returning the book!')


class Customer:

    def requestBook(self):
        print('Enter name of book you wouldlike to borrow: ')
        self.book = input()
        return self.book

    def returnBook(self):
        print('Enter the name of book to return')
        self.book = input()
        return self.book
```

In [17]:
```
library = Library(['legends','never','die'])
customer = Customer()
print('Enter 1 to display book')
print('Enter 2 to borrow book')
print('Enter 3 to return book')
print('Enter 4 to exit')

user_choice = int(input())

if user_choice is 1:
    library.displayAvailableBooks()
elif user_choice is 2:
    requestedBook = customer.requestBook()
    library.lendBooks(requestedBook)
elif user_choice is 3:
    returnedBook = customer.returnBook()
    library.addBook(returnedBook)
else:
    quit()
```

```
Enter 1 to display book
Enter 2 to borrow book
Enter 3 to return book
```

```
Enter 4 to exit
2
Enter name of book you wouldlike to borrow:
legends
You have now borrowed the book
```

In [ ]: