



*Note, UML Class Diagram is simplified due to size complications

classDiagram

```
App --* Book
App --* Library
App --* Lend
App --* Favorite
App --* Wish
App --* ExitBox
```

```
class Book{
    -String
    -String author
    -String genre
    -int year
    -String rating
    -String series
    +Book()
    +getTitle()
    +setTitle()
    +getAuthor()
    +setAuthor()
    +getGenre()
    +setGenre()
    +getYear()
    +setYear()
    +getRating()
    +setRating()
    +gerSeries()
    +setSeries()
}
```

```
class Library {
    -String title
    -String author
    -String rented
    -String due
    +Library()
    +getTitle()
    +setTitle()
    +getAuthor()
    +setAuthor()
    +getRented()
    +setRented()
```

```
+getDue ()  
+setDue ()  
  
}
```

```
class Lend{  
    -String title  
    -String person  
    -String lend  
    -String due  
    +Lend()  
    +getTitle()  
    +setTitle()  
    +getPerson()  
    +setPerson()  
    +getLend()  
    +setLend()  
    +getDue()  
    +setDue()  
}
```

```
class Favorite {  
    -String title  
    -String author  
    -String genre  
    -int year  
    -String series  
    +Favorite()  
    +getTitle()  
    +setTitle()  
    +getAuthor()  
    +setAuthor()  
    +getGenre()  
    +setGenre()  
    +getYear()  
    +setYear()  
    +getSeries()  
    +setSeries()  
  
}
```

```
class Wish {
```

```

        -String title
        -String author
        -Double cost
        -String series
        +Wish()
        +getTitle()
        +setTitle()
        +getAuthor()
        +setAuthor()
        +getCost()
        +setCost()
        +getSeries()
        +setSeries()
    }

    class ExitBox{
        -boolean answer
        +display()
    }

    class App {
        -TableView<Book, Library, Lend, Favorite, Wish>
        -TableColumn<titeCol, authorCol, genreCol, yearCol, seriesCol>
        -TextField title, author, genre, year, series
        -Button AddButton
        -Button DeleteButton
        -HBox hb
        -VBox vb
        +addButtonClicked()
        +deleteButtonClicked()
        +getBook()
        +getLibrary()
        +getLend()
        +getFavorite()
        +getWish()
        -closeProgram()

    }

```