Jonathan DeBellis

PA01 – Implementing an Object-Oriented Program with Unit Tests

**CRC Cards**

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| --- | --- |
| **Class: User** | |
|  |
| **Responsibilities** | **Collaborators** |  |
| View Messages | Message |  |
| Send Message | Message |  |
| View Library Book Database | Book |  |
| Verify User |  |  |
| Search Library Book Database | Book |  |

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| --- | --- |
| **Class: Member** | |
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| **Responsibilities** | **Collaborators** |  |
| Send Message | Message |  |
| Check-In Book | Book |  |
| Check-Out Book | Book |  |
| Select Electronic Book | Book |  |
| Pay Fees |  |  |

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| --- | --- |
| **Class: Librarian** | |
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| **Responsibilities** | **Collaborators** |  |
| Add Electronic Book to Member Account | Book, Member |  |
| Create Member Account |  |  |
| Charge Member Late Fee |  |  |
| Send Message | Message |  |

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| --- | --- |
| **Class: Book** | |
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| **Responsibilities** | **Collaborators** |  |
| Check Electronic |  |  |
| Remove Book | Book |  |
| Add Book | Librarian |  |

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| --- | --- |
| **Class: Message** | |
|  |
| **Responsibilities** | **Collaborators** |  |
| Clear Inbox | User |  |
| Delete Message | Message |  |
| Send Message to All Members | Member, Librarian, Message |  |