**Name**: Sarai Segura

Part 1: Checking out a book from the library

| **Actor:** | Library Patron | **Client:** | Library |
| --- | --- | --- | --- |
| **ID** | **Checking out a book from the library** | | |
| Precondition | Library patron has a library card. | | |
| Normal Flow | 1. Patron enters the library. 2. Patron browses the library sections to find a book. 3. Patron finds the book they want.    1. If patron is unable to find the book, go to Step A 4. Patron takes the book to check out desk. 5. Patron hands their library card to librarian. 6. Librarian scans the card and the book.    1. If the librarian informs the patron that they cannot check out the book because of a fee, go to Step B    2. If the librarian informs the patron that they cannot check out the book because of its type, go to Step C 7. Librarian hands book and card back, along with the receipt of due date for the book. 8. Patron exits the library. | | |
| Alternative Flow | Book is missing.   1. Head towards checkout desk/help desk    1. Patron should tell staff that they cannot locate the book they are looking for.    2. Staff will check the catalog for the book.    3. Staff informs the patron of the reason why the book isn’t in its location (checked out, missing, reserved).    4. Patron can ask to reserve the book at the earliest convenience.    5. Go to Step 8.   Patron has an outstanding fee.   1. Patron should pay the fee that is owed    1. The fee is removed by the librarian.    2. Go to Step 7.   Book is unable to leave the library.   1. Patron can scan the book or specific contents using the printer.    1. Once all the scanning is done, go to Step 8. | | |
| Postcondition | If the library has the desired book and the patron has no fees, the patron leaves the library with their book. | | |

Part 2: Organizing Library Material

