# Team 2:

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**Use Case Description - Check Out Book**

| Use case : Check out book |
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| ID : 1 |
| Brief description : The user checks out a book at a library |
| Primary Actors : Member |
| Secondary Actors : |
| Pre-Conditions : Person should hold a membership card of the library |
| Main flow :   * + - Member logs in the system     - Member browses through the book catalogue     - Member selects book(s)     - Member scans their library card through the barcode reader     - System verifies whether the member is eligible to borrow book(s) or has reached the maximum limit     - Member scans the barcode of the book(s)     - System validates if the book(s) can be issued or not     - System checks if book(s) has been reserved by other people     - System creates a checkout transaction     - System updates the status the book(s) as borrowed or loaned     - System updates the status of book(s) issued to the member     - System confirms the book check out for a member who has made a reservation against the book(s) |
| Alternative flow :  The member might change his/her mind at the time of checkout and may terminate the transaction. |
| Post-Conditions : |

**Activity Diagram - Library Management System**

