# Software Requirements Specifications

## Use case diagram

## List of actors

|  |  |  |
| --- | --- | --- |
| **No.** | **Actor** | **Description** |
| 1 | Guest |  |
| 2 | Hust Student |  |
| 3 | Hust Lecturer |  |
| 4 | Non-Hust Member |  |
| 5 | Librarian |  |
| 6 | System |  |

## List of use cases

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Use Case** | **Primary Actor** | **Secondary Actor** |
| UC-01 | Register library card | Guest | N/A |
| UC-02 | Fill out register form | Guest | N/A |
| UC-03 | View list of library services | Guest | N/A |
| UC-04 | Log in | Hust Student | Hust Lecturer, Non-Hust Member, Librarian |
| UC-05 | Log out | Hust Student | Hust Lecturer, Non-Hust Member, Librarian |
| UC-06 | Reset password | Hust Student | Hust Lecturer, Non-Hust Member, Librarian |
| UC-07 | View profile | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-08 | Edit profile details | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-09 | View history of borrowing and returning book | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-10 | Feedback | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-11 | Search book | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-12 | Borrow book | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-13 | Return book | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-14 | Renew book | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-15 | Reserve book | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-16 | Pay fine by bank account | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-17 | Check bank balance | Hust Student | Non-Hust Member, Hust Lecturer |
| UC-18 | Add book | Librarian | N/A |
| UC-19 | Remove book | Librarian | N/A |
| UC-20 | Update book details | Librarian | N/A |
| UC-21 | Add library card | Librarian | N/A |
| UC-22 | Remove library card | Librarian | N/A |
| UC-23 | Search library card | Librarian | N/A |
| UC-24 | Update library card details | Librarian | N/A |
| UC-25 | Add non-admin account | Librarian | N/A |
| UC-26 | Remove non-admin account | Librarian | N/A |
| UC-27 | Update non-admin account details | Librarian | N/A |
| UC-28 | Search non-admin account | Librarian | N/A |
| UC-29 | Ban non-admin account | Librarian | N/A |
| UC-30 | Unban non-admin account | Librarian | N/A |
| UC-31 | Add borrower | Librarian | N/A |
| UC-32 | Fill out add-borrower form | Librarian | N/A |
| UC-33 | Remove borrower | Librarian | N/A |
| UC-34 | Update borrower details | Librarian | N/A |
| UC-35 | Search borrower | Librarian | N/A |
| UC-36 | View ban-admin accounts | Librarian | N/A |
| UC-37 | View borrowing book in a period | Librarian | N/A |
| UC-38 | Send overdue notifications | System | N/A |
| UC-39 | Alert for upcoming due date books | System | N/A |