

UNIVERSITY OF
CALGARY

SENG 696 Agent Based Software Engineering

Project Report

Online Bookstore

Instructor Name: Dr. Behrouz H Far

Group I

S No.	Name	UCID
1	Nisha Mansuri	30130025
2	Mitalee Khanna	30123162
3	Harman Chopra	30123160
4	Vaishnavi Palla	30111351

Table of Contents

S No.	Content	Pg No.
1	Introduction	3
2	System Description	3
3	Use case diagram	5
4	Sequence diagram	7

Introduction

The main objective of the project is to create an online bookstore that allows users to search and purchase a book online. As conventional bookshops' operating hours, address, and area are limited, the sorts of books and books to find are restricted. However, the online bookstore has disrupted the conventional bookstore's management model, you can buy the book anywhere, saving time and effort and effectively cutting the time of book selection link. The online bookshop system is built on the concept of providing customers with convenience and service.

(1) System Description:

- Home page:

The system has a home page which comprises of books with various categories. To view the catalogue of the books, the user needs to register herself/himself. Upon successful login the admin will direct users to their respective home pages. The guest home page has product catalogue, and it displays books of all categories.

- Search Option:

User has access to a Search option, which helps the user to search for a book based on Title, Author, Category, and price range (basically filters). All the books which match the search criterion, and their total count are displayed. From here the user can select a book and add to the shopping cart.

- Book Description:

If the user would like to know details about a book, he/she can click on the title then description of the book will pop or will open in a tab.

- Shopping Cart:

The user can manage a shopping cart which will include all the books he/she

selected. The user can edit, delete, and update the items in his shopping cart. A final

shopping cart summary is displayed which includes all the items the user selected and the final total cost.

- Managing user accounts:

Each user will have an account to access all the functionalities of website.

User can login using login page and logout using the logout page.

- Librarian:

Librarian will have access to add/delete book and modify book details.

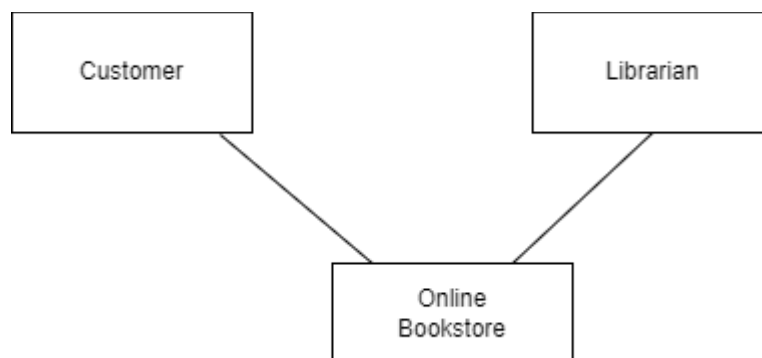
- Payment module:

User can make a payment for all or individual items in shopping cart. Payment options include paying via debit/credit cards.

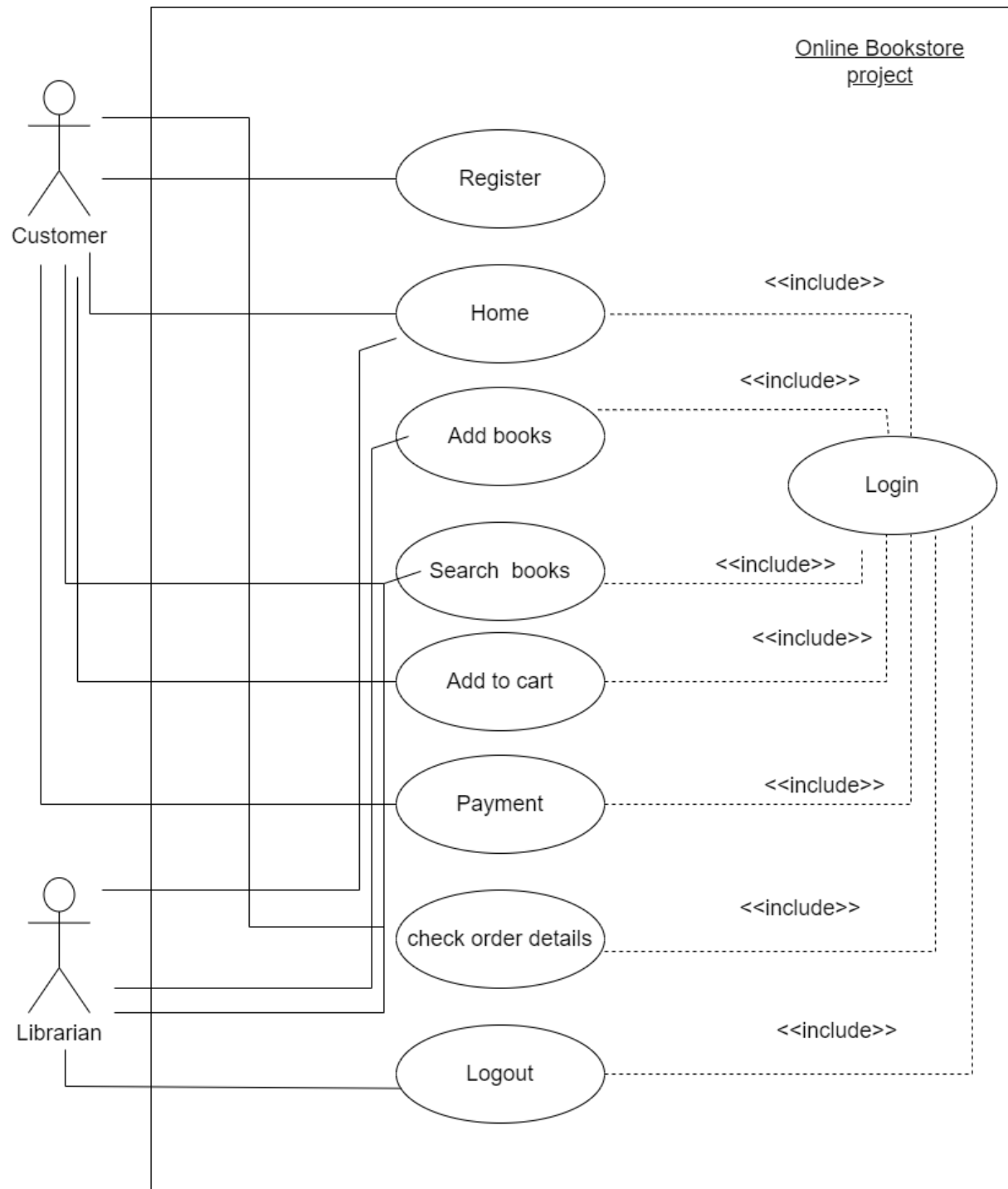
- Order status:

The user can check the order details from the order page.

This below figure provides the system architecture of the jade agent-based Online bookstore.



USE CASE DIAGRAM



Actors

1) Customer

Customer user has various functions, search book, add to cart, payment method and then order details page.

2) Librarian

Librarian has the access to add/delete book and modify book details and has the access to the home page.

SEQUENCE DIAGRAM

