

Book Acquisition System

-AJINKYA PAHINKAR 17BCE0843

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-KESHAV AGARWAL 17BCI0018

Introduction



The project has been made for the Balaji Book Store at VIT University Vellore . It is the Book acquisition system that will be used by the students to get their requested books hassle-free.

Earlier , the students had to go and ask for the books at the Book Store . If the books weren't available ,they had to come again and check for it.

Students can check the available books on the website. They can request for the books that are not available. They can check if their book arrived or not without visiting the shop.

Website has the utility pages such as services, About-us, Help that makes the process easier for the user.

Summary of the project (abstract)

- ▶ We are making an online portal for Balaji, where the sellers(Balaji) will upload the information about the books available at the shop and students will be able to check the availability of the books and if the books they want are not available they can put a request for it. This will make it easy for the students to place an order of the books they want. They can check if their book arrived or not without visiting the shop. Balaji will be able to see the requests of the books and maintain their stocks accordingly.

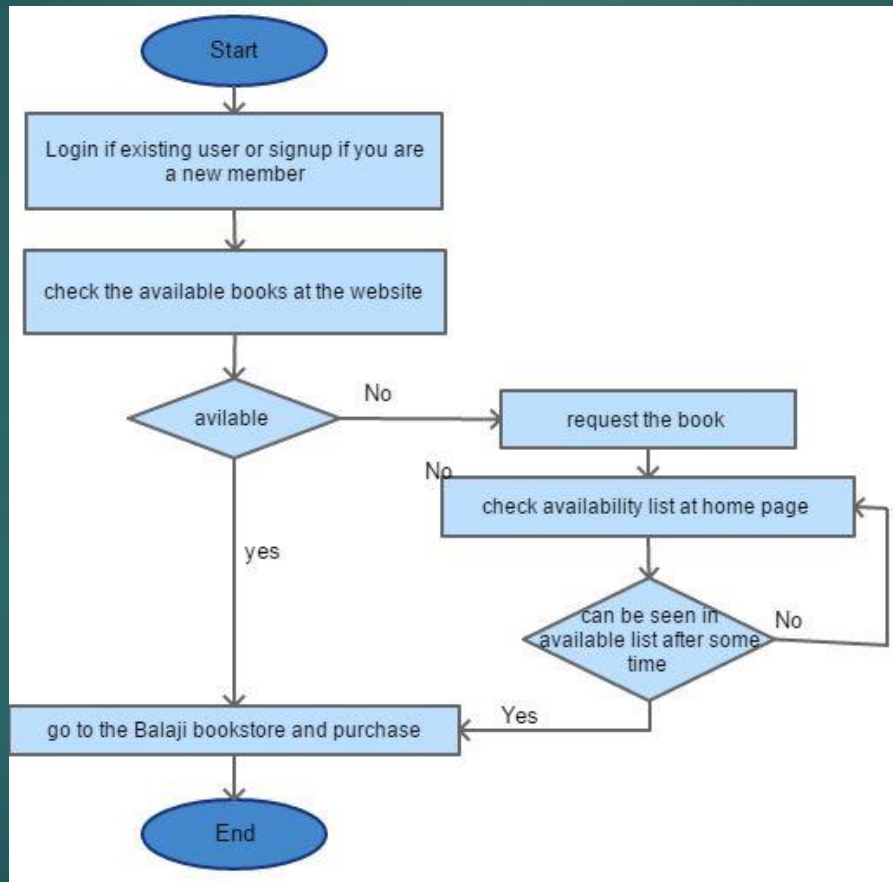
Objectives

The purpose of our website is to ease the process of purchase of books for students in the campus via the Balaji book store

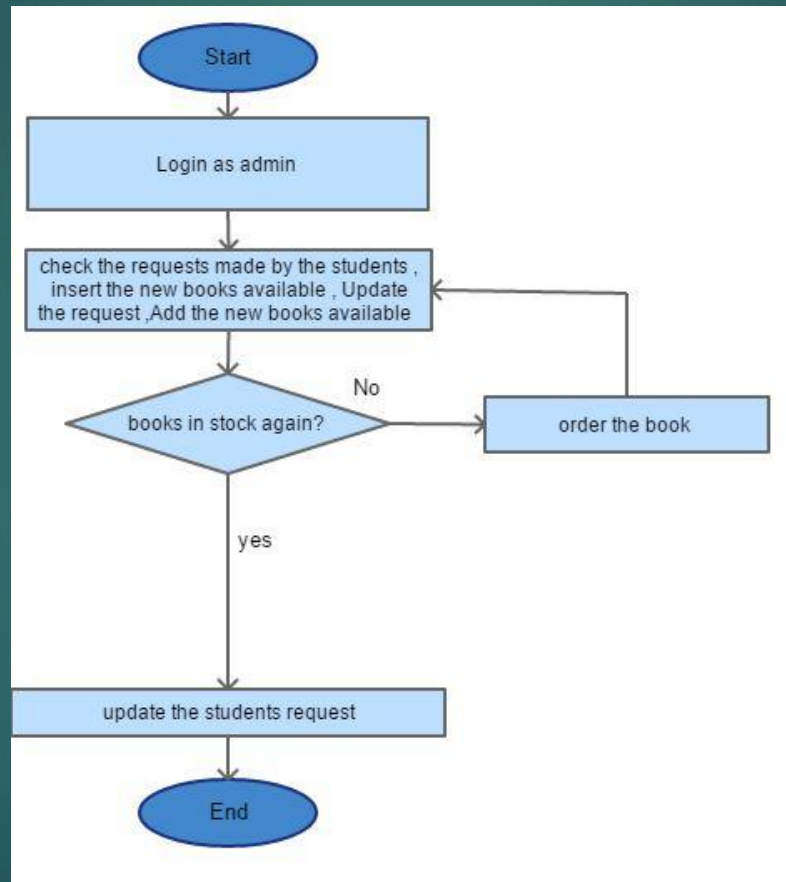
Students can avail services of requesting for new books, check availability of existing books. As admin he can update the requests according to the students needs, and add the required books as when necessary.

A feedback form system provides us opinions about the website and explore room for improvement and make the website more user friendly.


Block diagram of proposed system for user



Block diagram of proposed system for Admin



Developed Modules list(Ajinkya Pahinkar)

	Home	Search Books	Request Books	Feedback	you are logged in	Help	Logout
Books available in Store							
BOOK TITLE		Author name	Quantity	Topic			
abcd		xyz	4	computer science			
abcdefgh		xyzqwe	2	computer science			
Data Structures And Algorithms Made Easy		Narasimha Karumanchi	6	Data Structures			
Digital Design		M Morris Mano	8	Digital Logic and Design			
ghj		17BCI0018	0	Zxcv1234			
Operating System Concepts		Avi Silberschatz	10	Operating System			
Thomas' Calculus		George B. Thomas	5	Calculus			


[Home](#)[Search Books](#)[Request Books](#)[Feedback](#)[Help](#)[Logout](#)

Search Books

This book is available at Balaji

BOOK TITLE	Author name	Quantity	Topic
Operating System Concepts	Avi Silbersegatz	10	Operating System

Developed Modules list(Rashi Kaseera)

 [View Requests](#) [Edit Requests](#) [Edit Books](#) [View Feedbacks](#) [Logout](#)

Machine Learning is Fun

Andrew NG

6

Machine Learning|

INSERT

Available Books

BOOK TITLE	Author name	Quantity	Topic
------------	-------------	----------	-------

[View Requests](#)[Edit Requests](#)[Edit Books](#)[View Feedbacks](#)[Logout](#)

Requested Books

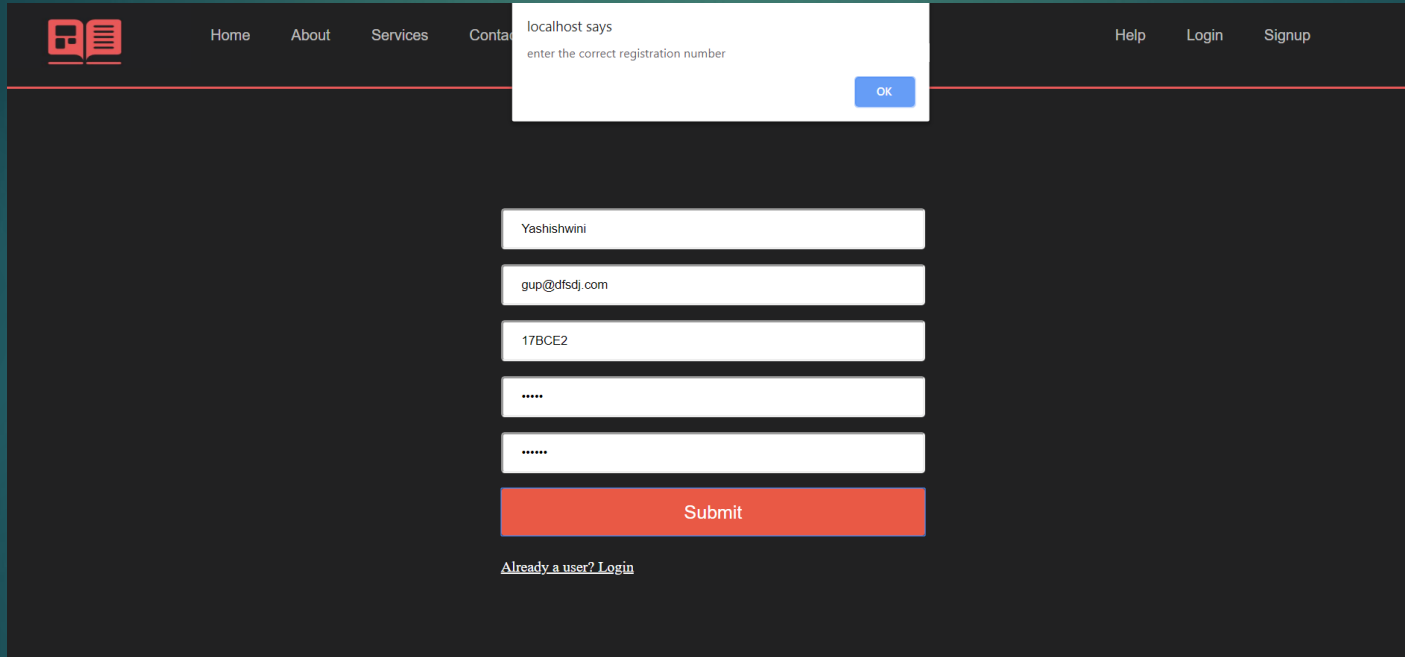
FEEDBACK

hello guys , i am really impressed by your work

hello hi

this website is really nice

Developed Modules list(Keshav Agarwal)



The screenshot displays a web application interface with a dark theme. At the top, a navigation bar contains a logo on the left and links for Home, About, Services, Contact, Help, Login, and Signup on the right. A white modal box is centered on the screen, displaying the message "localhost says" and "enter the correct registration number" with an "OK" button. Below the modal, a registration form is visible, featuring five input fields: a name field containing "Yashishwini", an email field containing "gup@dfsdi.com", a registration number field containing "17BCE2", and two password fields, both masked with asterisks. A red "Submit" button is positioned below the password fields. At the bottom of the form, there is a link that reads "Already a user? Login".

localhost says
enter the correct registration number
OK

Yashishwini

gup@dfsdi.com

17BCE2

Submit


[Already a user? Login](#)

[Home](#)[About](#)[Services](#)[Contact Us](#)[Help](#)[Login](#)[Signup](#)[Admin](#)

Address: VIT Vellore, Katpadi Road, Vellore, Tamil Nadu 632014 Contact Us: Email: vitbarnbooks@gmail.com Mobile No: +918178197468

Feedback Form

- ▶ Feedback form of (Book Acquisition System for Balaji Store)
- ▶ Feedback provider details
- ▶ Name: Kanan Rao
- ▶ Designation: Shopkeeper
- ▶ Place: Balaji Store
- ▶ Rating of the developed software: (0 -10)

- 
- ▶ Is this software developed is useful?
9
 - ▶ Do you feel the software developed is made easy for the user? Yes
 - ▶ Is the software provided all the necessary functionality to the user? Yes
 - ▶ Rate the quality of the developed software? 10
 - ▶ Overall rating 10
 - ▶ **Signature of the feedback provider**

IS THIS SOFTWARE DEVELOPED IS USEFUL?

9

DO YOU FEEL THE SOFTWARE DEVELOPED IS MADE
EASY FOR THE USER? YES

IS THE SOFTWARE PROVIDED ALL THE NECESSARY
FUNCTIONALITY TO THE USER? YES

RATE THE QUALITY OF THE DEVELOPED SOFTWARE?

9

OVERALL RATING 9

SIGNATURE OF THE FEEDBACK PROVIDER

FEEDBACK FORM OF (BOOK ACQUISITION SYSTEM FOR BALAJI STORE)

FEEDBACK PROVIDER DETAILS

NAME: ASHISH GUPTA

DESIGNATION: STUDENT

PLACE: Q BLOCK

RATING OF THE DEVELOPED SOFTWARE: (0 -10)



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(Estd. u/s 3 of UGC Act 1956)

VELLORE ■ CHENNAI

www.vit.ac.in

VIT BOOK BARN
BOOK RECOMMENDATION PORTAL FOR BALAJI

**Submitted for the course: Internet and Web Programming
(CSE3009)**

Faculty: Mythili T.

Submitted by

17BCE0843	Ajinkya Pahinkar
17BCE2421	Rashi Kasera
17BCI0018	Keshav Agarwal

Motivation:

As we were studying in VIT Vellore we realized that students must go through a lot of hassle in order to avail books for academic purposes or just novels to pursue their passion for reading. After talking to the store owner of Balaji we realized that making an online Booking system for Balaji will not only make the system of getting academic books for students become easier but also will increase sales for Balaji and help them get more customers and then go on to replicate the model for various other libraries or any other book keeping place that want to reach more customers and with the help of our portal it will be a hassle free process of availing and requesting for new books on the go.

Objective:

We are making an online portal for Balaji, where the sellers(Balaji) will upload the information about the books available at the shop and students will be able to check the availability of the books and if the books they want are not available they can put a request for it. This will make it easy for the students to place an order of the books they want. They can check if their book arrived or not without visiting the shop. Balaji will be able to see the requests of the books and maintain their stocks accordingly.

Introduction:

Primary users of the website would be Balaji shopkeepers and the college students.

The website would also be useful to the faculties of the college and research scholars as they can also request for the books.

The project has been made for the Balaji Book Store at VIT University Vellore. It is the Book acquisition system that will be used by the students to get their requested books hassle-free.

Earlier, the students had to go and ask for the books at the Book Store. If the books weren't available, they had to come again and check for it.

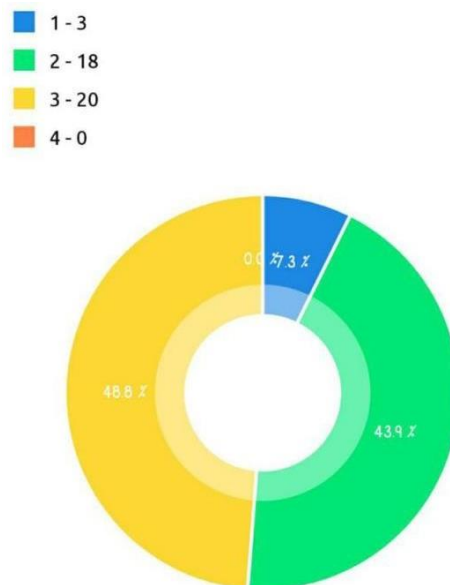
Students can check the available books on the website. They can request for the books that are not available. They can check if their book arrived or not without visiting the shop.

Website has the utility pages such as services, About-us, Help that makes the process easier for the user.

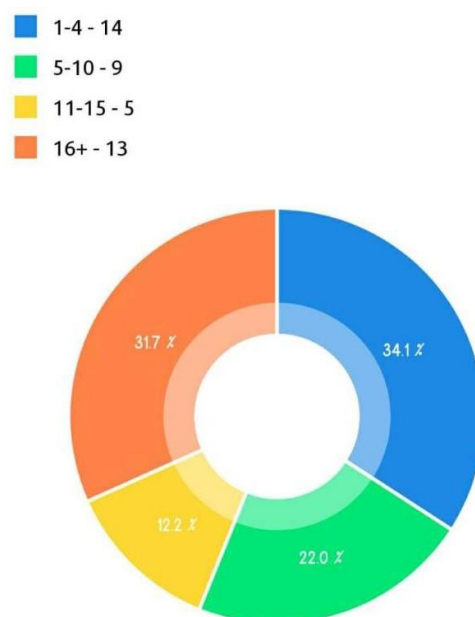
Students' Survey:

We have used the Google forms to know more about our clients. This is specifically for the students.

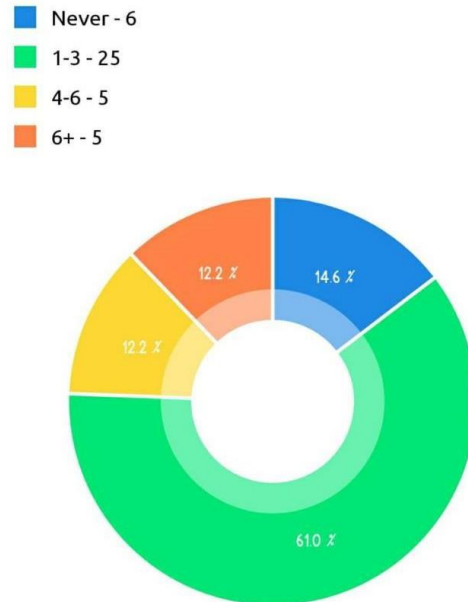
1. Since how many years have you been in VIT?



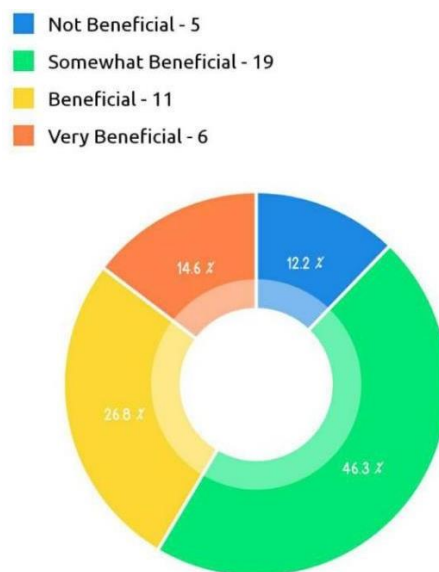
2. How often do you use online portals in a month?



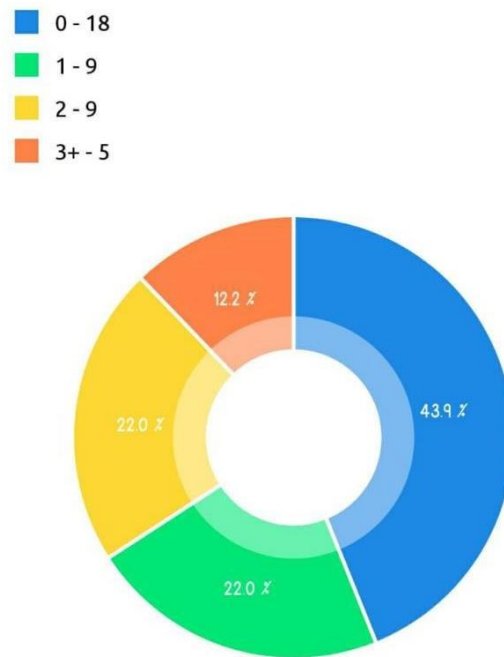
3.How many times have you visited any online website for books (for buying or reading or for just checking) over the last month?



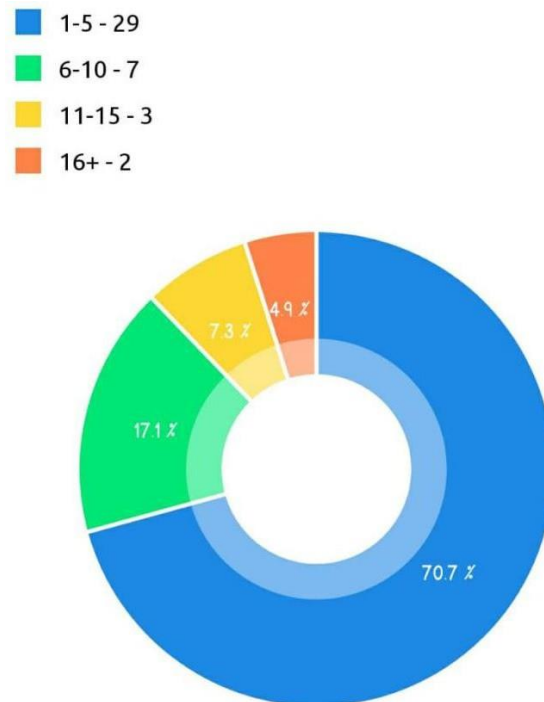
4.How beneficial will the Balaji book recommendation website to you?



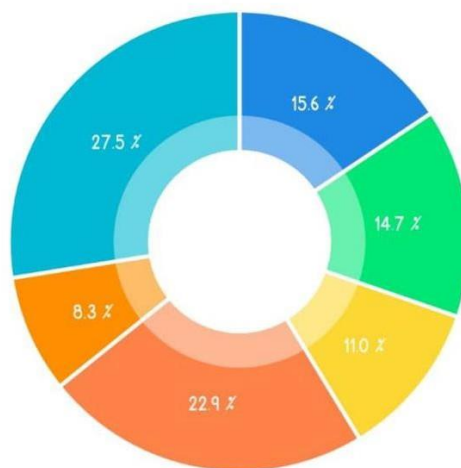
5.How many times did you revisit Balaji to check if your order has arrived or not?



6.On an average how many books do you buy in a year?



7. What kind of books will you recommend on the website?



Balaji Worker Interview

Formal Interview of Balaji Worker was taken to know more about the requirements and existing problems they were facing.

Q1) How many years since this shop is in VIT?

>> The store is over 10 years old and our main products for the students includes a variety of academic and nonacademic books wherein students can either buy or rent them apart from this other smaller businesses includes stationary items such as pens , pencils etc and very recently a snack bar has also been opened in the shop. We also sell notes of previous years students and take preorders for books which are not available and make purchasing them for students via other dealers easier.

Q2) How many years since you are working in this shop?

>> I have been working in the shop as the assistant manager for over 5 years now.

Q3) From where do you get your supplies?

>> We get our supply of books from various sources, major book depots in Vellore and Chennai form significant part of the chunk. To name a few Book Station in Katpadi Gandhi Nagar East, New Century Book House Pvt Ltd. In Anna Salai Vellore Bazar and many more. Whenever students demand for a book which is not available in our store we try to contact these resources and avail books from them, the response is a lot quicker for a bulk order if a lot students demand a certain book, but for isolated cases making the book available becomes slightly difficult.

Q4) How beneficial is the idea of a book recommendation website to you?

>> After the emergence of online markets such as amazon Flipkart we have seen a dip in our sales, mostly because of the much wider variety available online and the ease of getting your hands on it. Hence 85% of the business has migrated towards the ecommerce market. Therefore, having our own website will help build better communication with students and we well know there demands and therefore an automated system would only ease the way in which students buy books and notes. Hopefully this increases sales and delivery time being much less in physical stores as most students live nearby in the hostels, they can avail the book easily after pre-booking on the website as they will know the real time stock status and availability status.

Q5) What kind of books do you keep in your store (only academic related or novels also)?

>> We have academic as well as nonacademic books but majority of the stock is academic book.

Q6) How many books do sell per month and year?

>> Earlier our sales figures were very high but after the ecommerce market capture there has been an 85% dip in sales.

Q7) In future would you like to extend this website for rest of the products of your shop?

>> Right now I'm a bit dicey about extending the website to other products because stuff like stationary people will have to try out before buying and physical shops seem to be fine for that and same goes for the snacks counter.

Q8) Now what exactly is the system you follow to take orders and inform students that their order is available now?

>> Right now it is a completely pen and paper based system wherein we take down orders manually and in a few days after we hear back from the sources(usually 10-15 days) we may call up the students or they come every now and then to check if its available or not.

Q9) How often you have to return a student back because his/her order didn't arrive?

>> This usually does not happen because we always check if the order is available with our sources, most common problems that occur are the delays when the sources itself take time to order stock for the particular book, hence passing this info to the students directly via the website will greatly reduce our burden

Q10) Do students cancel their orders due to this?

>> Yes they do as if students do not receive the books during exam time they just end up photocopying it from somewhere else and in this case we incur huge losses.

Q11) If yes how often is it so?

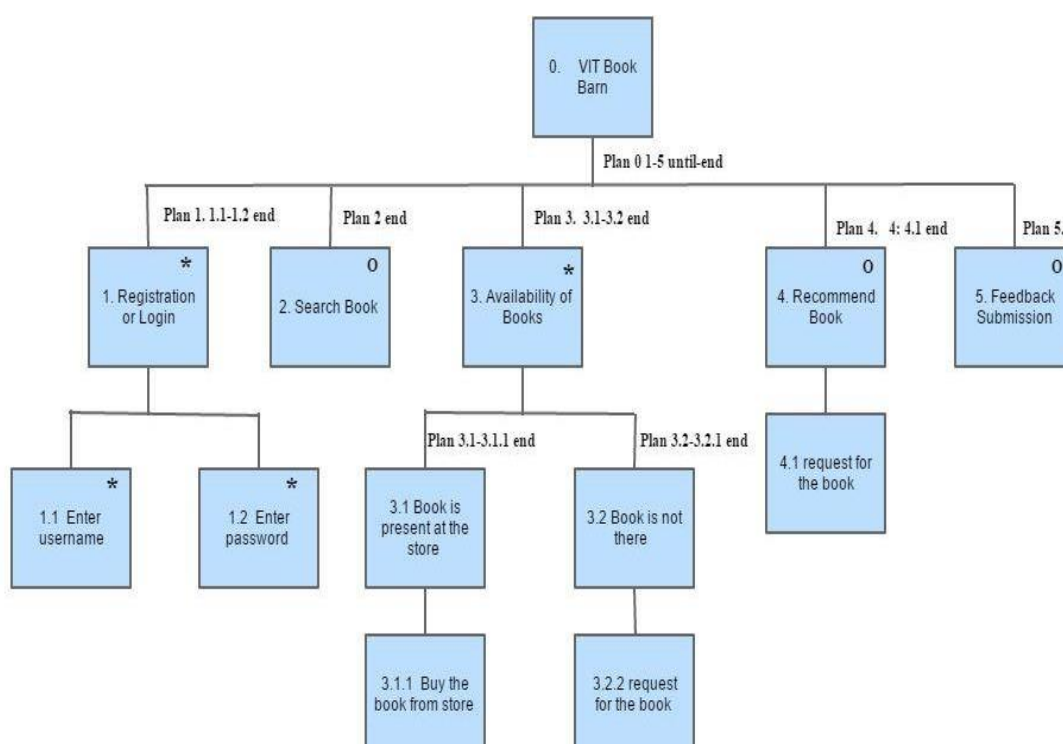
>> More frequent during exam times otherwise occasionally.

Q12) What all functionality do you want in the website?

>> Major functions of the website should revolve around books, from taking orders to being able to see real time stock status and to seamlessly integrate it with the billing system in our shop and for students to be able to make payments online. Build secure databases for the Storage.

System model:

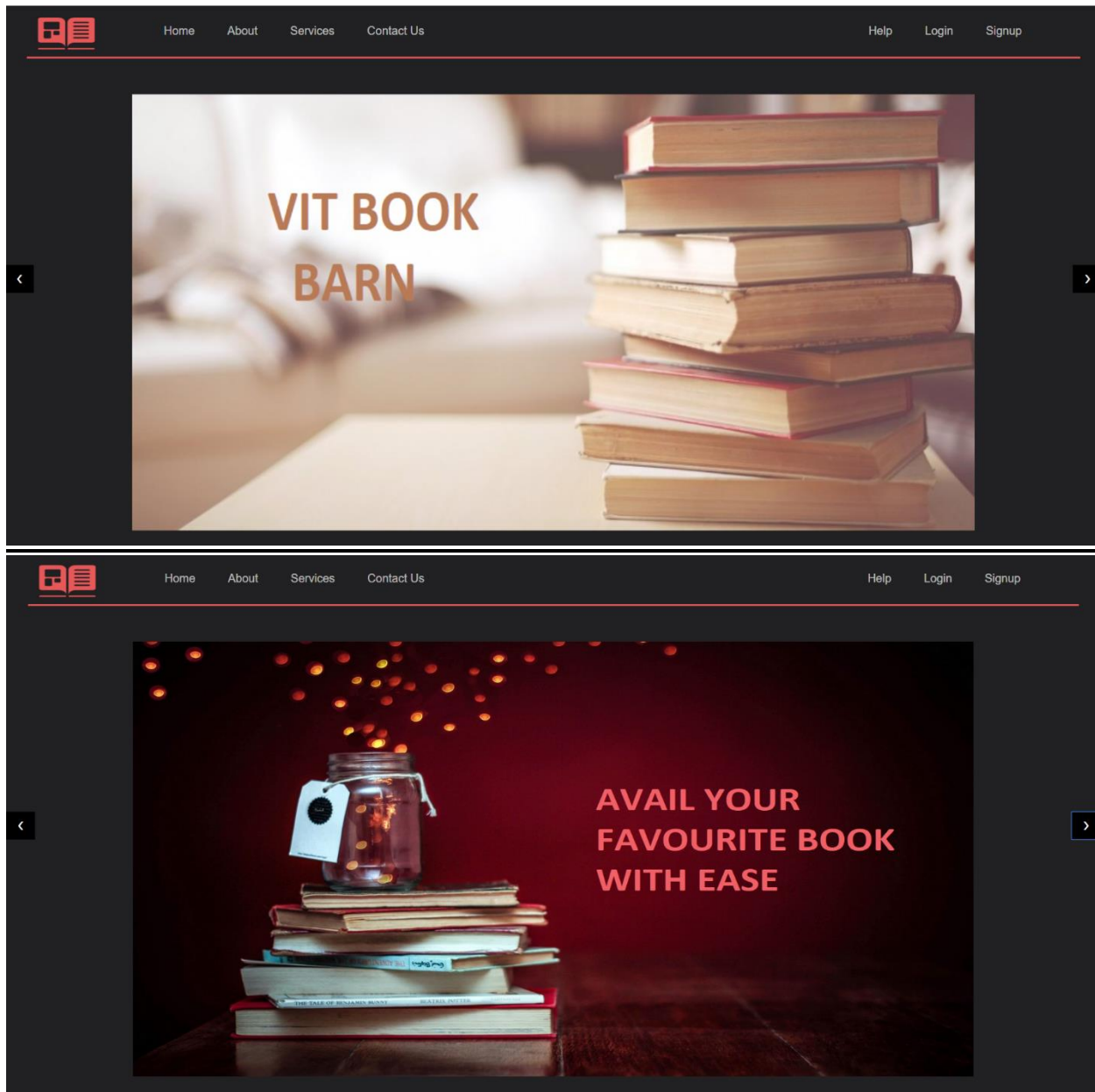
Hierarchical Task Analysis:



Modules description:

Implementation (screen shots):

Sample report of acceptance testing:





About Us

The project has been made for the Balaji Book Store at VIT University Vellore . It is the Book acquisition system that will be used by the students to get their requested books hassle-free.

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Students can check the available books on the website. They can request for the books that are not available. They can check if their book arrived or not without visiting the shop





[Home](#) [About](#) [Services](#) [Contact](#)

localhost says
Passwords do not match

OK

[Help](#) [Login](#) [Signup](#)

Yashishwini

gup@dfsdf.com

17BCE2

Submit

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localhost says
password must contain contain at least one numeric digit, one
uppercase and one lowercase letter and length should be between 6 to
14

OK

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Yashishwini

gup@dfsdf.com

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localhost says
enter the correct registration number

OK

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FAQ

May I donate a book to be digitized and added to Open Library?

---Yes, please do! Our parent organization, the Internet Archive, accepts donations of physical books, so, if you have books you'd like to donate, please visit our Book Drive page for instructions.

Can you tell me more about a particular book?

---No. Everything we know is already on our site. What you see is what you get on Open Library, and everyone (signed in or not) is encouraged to enrich a record with additional information from which we can all benefit.



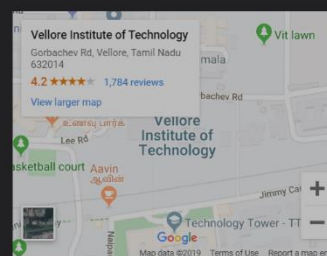
Address

VIT Vellore,
Katpadi Road,
Vellore,
Tamil Nadu 632014

Email: vitbarnbooks@gmail.com

Mobile No: +918178197468

Reach Us





Services

The purpose of our website is to ease the process of purchase of books for students in the campus via the Balaji book store

Students can avail services of requesting for new books, check availability of existing books. As admin he can update the requests according to the students needs, and add the required books as when necessary

A feedback form system provides us opinions about the website and explore room for improvement and make the website more user friendly



Requested Books

BOOK TITLE	Author name	Quantity
electronics and electricals	john bird	6
Engineering electromagnetics	Kamlesh Mullick	3
hci	silavasa	1
Machine Learning	Andrew NG	4

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Books available in Store

BOOK TITLE	Author name	Quantity	Topic
		0	
abcd	xyz	4	computer science
abcdefgh	xyzqwe	2	computer science
Data Structures And Algorithms Made Easy	Narasimha Karumanchi	6	Data Structures
Digital Design	M Morris Mano	8	Digital Logic and Design
ghj	17BCI0018	0	Zxev1234
Operating System Concepts	Avi Silbersegatz	10	Operating System
Thomas' Calculus	George B. Thomas	5	Calculus

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Address: VIT Vellore, Katpadi Road, Vellore, Tamil Nadu 632014 Contact Us: Email: vitbambooks@gmail.com Mobile No: +918178197468

[Home](#)[Search Books](#)[Request Books](#)[Feedback](#)[Help](#)[Logout](#)

Feedback:

this website is really nice |

Submit

Feedback Submitted.

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Feedback:

this is really nice |

Submit

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Search Books

This book is not available at Balaji

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Search Books

This book is available at Balaji

BOOK TITLE	Author name	Quantity	Topic
Operating System Concepts	Avi Silberscgtz	10	Operating System

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Books available in Store

BOOK TITLE	Author name	Quantity	Topic
		0	
abcd	xyz	4	computer science
abcdefgh	xyzqwe	2	computer science
Data Structures And Algorithms Made Easy	Narasimha Karumanchi	6	Data Structures
Digital Design	M Morris Mano	8	Digital Logic and Design
ghj	17BCI0018	0	Zxcv1234
Operating System Concepts	Avi Silberscgtz	10	Operating System
Thomas' Calculus	George B. Thomas	5	Calculus

[View Requests](#)[Edit Requests](#)[Edit Books](#)[View Feedbacks](#)[Logout](#)

Requested Books

FEEDBACK

hello guys , i am really impressed by your work


hello hi

this website is really nice

[View Requests](#)[Edit Requests](#)[Edit Books](#)[View Feedbacks](#)[Logout](#)

Available Books

BOOK TITLE	Author name	Quantity	Topic
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[View Requests](#)
[Edit Requests](#)
[Edit Books](#)
[View Feedbacks](#)
[Logout](#)

Available Books

BOOK TITLE	Author name	Quantity	Topic
		0	
abcd	xyz	4	computer science
abcdefgh	xyzqwe	2	computer science
Data Structures And Algorithms Made Easy	Narasimha Karumanchi	6	Data Structures

Test cases

Test Case ID	Test Objective	Test Data	Expected Results	Actual Results	Test Pass/Fail
1.	Customer can register into new account	1. Username: sumeghasawa Email:sumeghasawa@gmail.com phone number: 8178197467 password:sum123 confirm password:sum123	Register and send to next page	Register and send to next page	Pass
		2. Username: sumeghasawa Email:sumeghasawa@gmail.com phone number: 8178197467 Password: sum12 Confirm password: sum12	Password should contain minimum of six characters	Password should contain minimum of six characters	Pass
		3. Username: sumeghasawa Email: sumeghasawa phone number: 8178197467 Password: sum123 Confirm Password: sum123	The email address is badly formatted	The email address is badly formatted	Pass
		4. Username: sumeghasawa Email:sumeghasawa@gmail.com phone number: 8178197467 Password: sum123 Confirm Password: sum123	The email address is already registered. Try login in	The email address is already registered. Try login in	Pass
			Passwords	Passwords	Pass

		<p>5. Username: sumeghasawa Email:sumeghasawa@gmail.com phone number: 8178197467 password:sum1234 confirm password :sum123</p> <p>6.Username: sumeghasawa Email: sumeghasawa@gmail.com phone number: 817819746 password:sum123 confirm password :sum123</p>	do not match Please enter the correct phone number	do not match Register and send to next page	Fail
2.	Users Can Login to existing account	<p>1.Username: sumeghasawa@gmail.com Password: sum123</p> <p>2.Username: keshavagarwal@gmail.com Password :kesh1234</p>	<p>Successful Login and Move to Home Page</p> <p>Invalid credentials - user does not exist</p>	<p>Successful Login and Move to Home Page</p> <p>Invalid credentials - user does not exist</p>	<p>Pass</p> <p>Pass</p>
3.	Search Books	<p>1.Harry Potter</p> <p>2.Let us C</p>	<p>This Book is available at Balaji</p> <p>This book is not available at Balaji</p>	<p>This Book is available at Balaji</p> <p>This book is not available at Balaji</p>	<p>Pass</p> <p>Fail</p>
4.	Request Books	1.Let Us C	Your request is accepted	Your request is accepted	Pass

Summary /conclusion:

Feedback Form:

Feedback Form

Feedback form of (enter your project title) BOOK ACQUISITION
SYSTEM FOR
BALAJI

Feedback provider details

Name: Kanan Rao

Designation: shopkeeper

Place: Balaji Bookstore

Rating of the developed software: (0 -10): 9

Is this software developed is useful?

yes

Do you feel the software developed is made easy for the user?

yes

Is the software provided all the necessary functionality to the user?

yes

Rate the quality of the developed software? 9

Overall rating : 9

Signature of the feedback provider: Kanan

Feedback Form

Feedback form of (enter your project title) BOOK ACQUISITION
SYSTEM FOR
BALAJI

Feedback provider details

Name: Pranjal Srivastava

Designation: Student

Place: VIT Vellore

Rating of the developed software: (0-10): 10

Is this software developed is useful?

Yes

Do you feel the software developed is made easy for the user?

Yes

Is the software provided all the necessary functionality to the user?

Yes

Rate the quality of the developed software? 9

Overall rating: 10

Signature of the feedback provider: Pranjal



Scanned with
CamScanner

Reference:

W3schools: templates for several styling elements to integrate animations and dynamic features in the website

Other Libraries Websites visited:

<https://onlinelibrary.london.ac.uk/>

<https://librarika.com/>

<https://www.libib.com/>