- Kevin Crespin
- Alex Huang
- Guadalupe Sahagun
- Sandip Hodkhasa
- Paul Clef Ube

- PROJECT OBJECTIVE
- REQUIREMENTS
- SYSTEM FUNCTIONS LIST
- PLATFORMS
- SYSTEM ARCHITECTURE
- SYSTEM FUNCTIONS DETAIL
- TECHNICAL
- FUTURE WORK

PROJECT OBJECTIVE

- Book Exchange Application
- Web-Based Application
 - Database management
 - Programming
- Application working scope
 - Local Server
 - Users / Students from CSULA

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REQUIREMENTS

- Functional Web based Application
- Users to access accounts online
 - Students from CSULA
- Exchange of Books
 - Rental / Trade
 - Students should sell and buy books
- System Functions

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SYSTEM FUNCTIONS

Admin Privileges

- Delete Users
- Increase Balance of Users
- Users privileges and account alteration

- Cart

- Multiple books in cart
- Checkout

- Chat / Forum

- Chatting / Commenting Publicly

- Profile

- Balance
- Book selling
- Restriction to purchase on low balance

- Book Information

- Detail information of Books
- Price, Author, ISBN
- Ability to comment and rate a book by user.

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PLATFORMS

- Software
 - PHP
 - MYSQL
 - CSS
- Communication
 - APACHE SERVER
 - HTTPS PROTOCOL



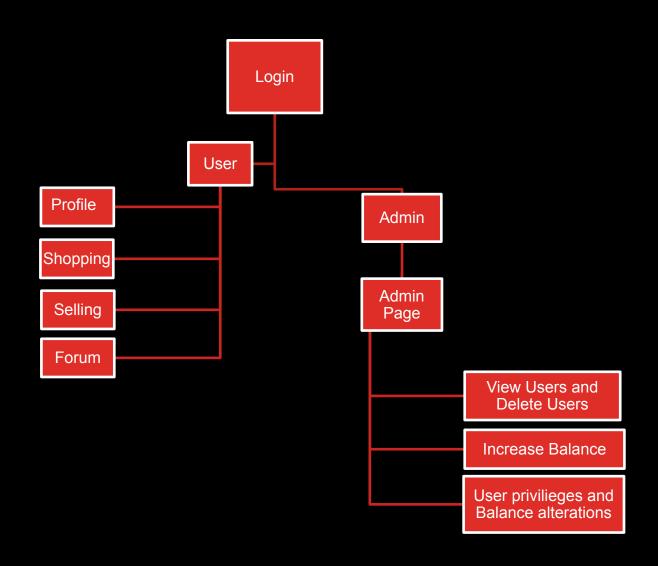




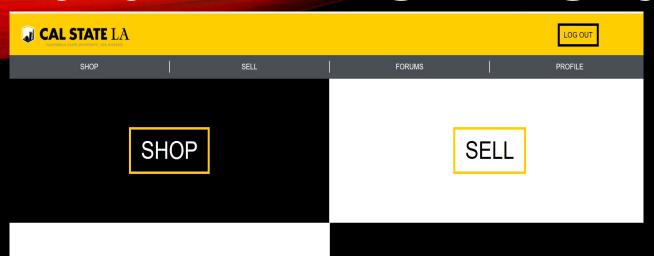


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SYSTEM ARCHITECTURE



SYSTEM ARCHITECTURE: MAIN FEATURES



PROFILE

FORUMS

ADMINISTRATION

Name	Email	Delete	Increase Balance	Administrator Permissions	Status	Balance
Kevin Crespin	kcrespi@calstatela.edu	DELETE	Increase Balance	Revoke Administrator	Active	30.00, Good Standing
Admin	admin@calstatela.edu	DELETE	Increase Balance	Revoke Administrator	Active	100.00, Good Standing
Jose Rosa	jrosa@calstatela.edu	DELETE	Increase Balance	Make Administrator	Active	100.00, Good Standing
Manuel Herrera	mherrer@calstatela.edu	DELETE	Increase Balance	Make Administrator	Active	100.00, Good Standing
John Jackson	jjackson@calstatela.edu	DELETE	Increase Balance	Make Administrator	Active	197.77, Good Standing
Sandip Hodkhasa	shodkha@calstatela.edu	DELETE	Increase Balance	Revoke Administrator	Active	2.23, Good Standing
test	test@test.edu	DELETE	Increase Balance	Make Administrator	Active	10.00, Good Standing

GO TO ENROLLMENT PAGE

AIN MENU

GOUT

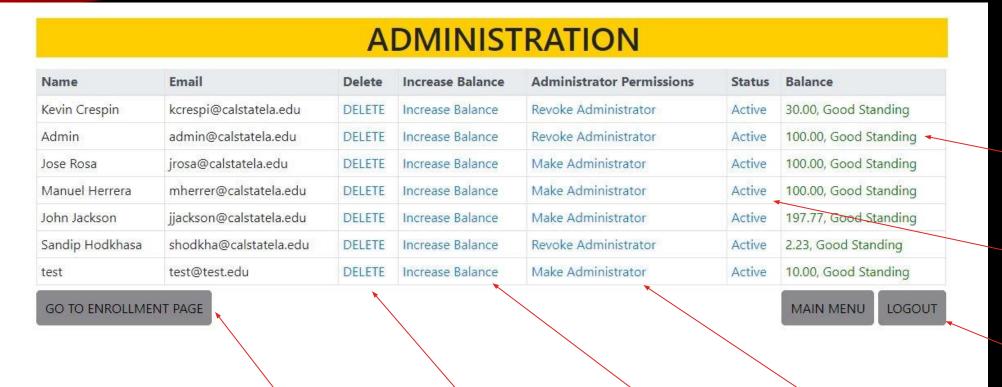
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SYSTEM FEATURE

ADMIN PRIVILEGES

- Add user
- Delete users
- Increase balance
- Revoke and make users admin
- Set status to hold
- View Balance of each users

SYSTEM FEATURE: ADMIN PRIVILEGES



VIEW BALANCE

ACCOUNT HOLD AND ACTIVE

LOGOUT AND MAIN MENU

ADDING USER

DELETING USER INCREASE USER BALANCE

USER PRIVILEGES

SYSTEM FEATURE

SELLING

- Sell books
- Rent Book
- Add Book Information
 - Title
 - Author
 - Front Page
 - ISBN10
 - Price
 - Description

SYSTEM FEATURE: SELLING

Selling Page × +	H					<u>∞</u> – ₫ X
← → C ·	i localhost:8080/BookEx	change/selling.php?na	me=admin&email=admi	n@calstatela.edu	80%	<u> </u>
CAL STATE LA CALIFORNIA STATE UNIVERSITY, LOS ANGELES						LOG OUT
SHOP	l l	SELL	1	FORUMS	I	PROFILE
			SELL			
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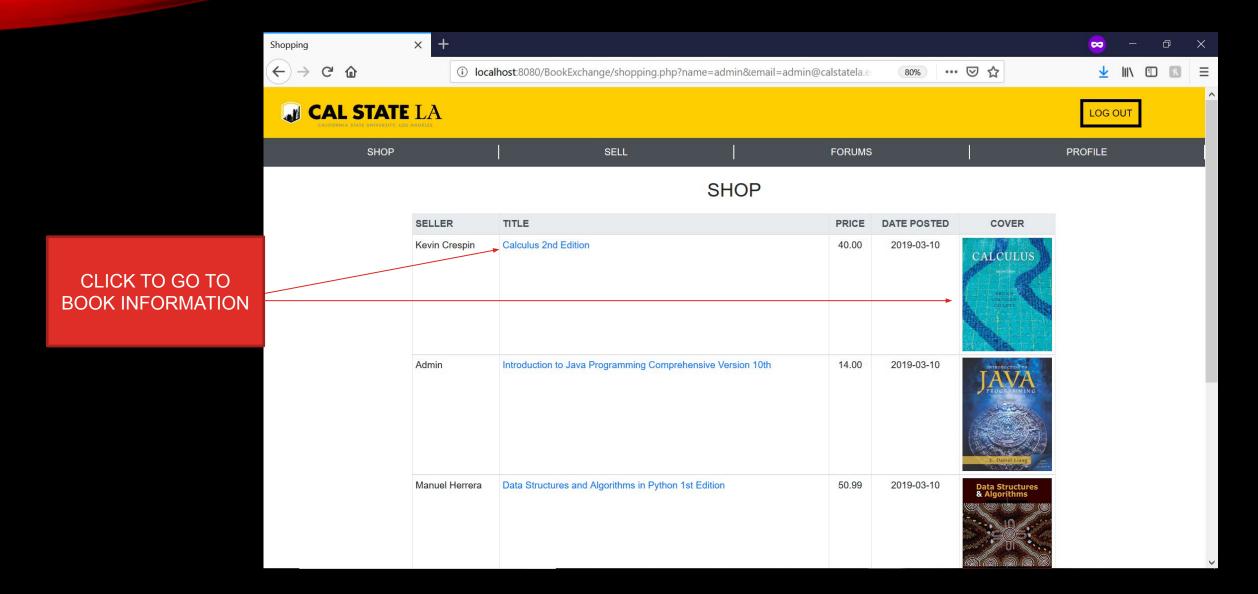
ADDING BOOKS AND INFORMATION

SYSTEM FEATURE

SHOPPING

- List of books being sold
- Book Information being sold
 - Title
 - Author
 - Front Page
 - ISBN10
 - Price
- Ability to view book information

SYSTEM FEATURE: SHOPPING

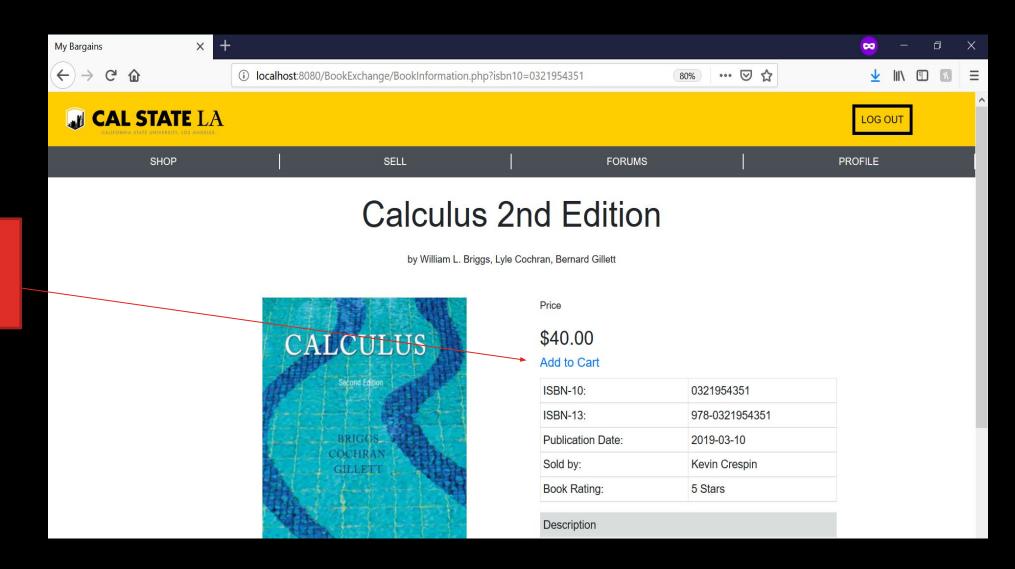


SYSTEM FEATURE

BOOK INFORMATION

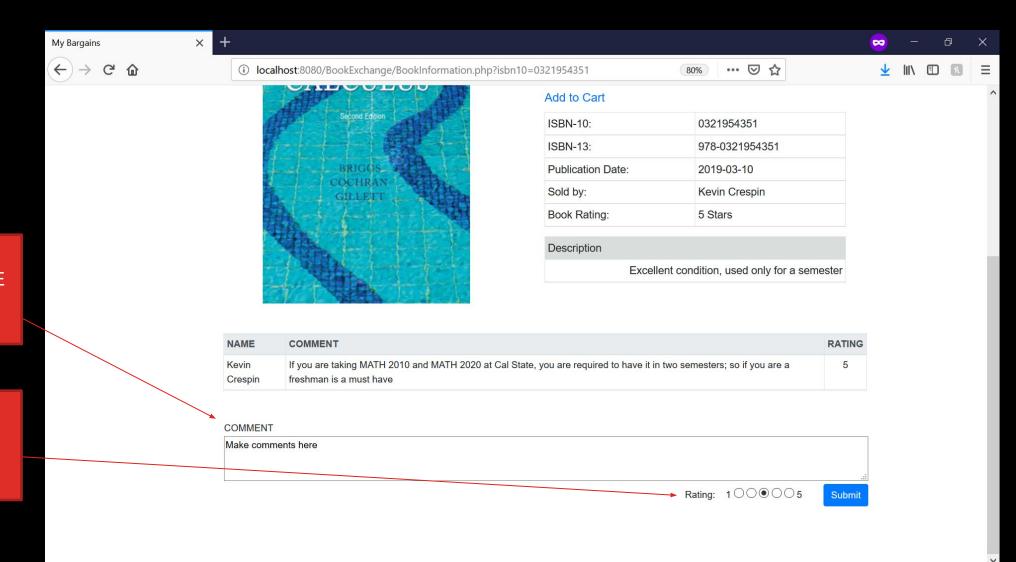
- Book Information being sold
 - Title
 - Author
 - Front Page
 - ISBN10
 - Price
- Ability to add books to cart
- Ability to add comments about the book
- Ability to rate the book
 - The average rating of the books gets updated
- Only CSULA users can comments on the books

SYSTEM FEATURE: BOOK INFORMATION



ADD TO CART

SYSTEM FEATURE: BOOK INFORMATION



COMMENTS CAN BE ADDED

BOOKS CAN BE RATED AS WELL

SYSTEM FEATURE

USER PROFILE

- View Balance
 - View updated balance after books added to cart
 - Flag balance when low
- View Books being sold by user
- View Books added to cart
 - Add multiple books to cart
 - Prevention of adding books to cart when low balance

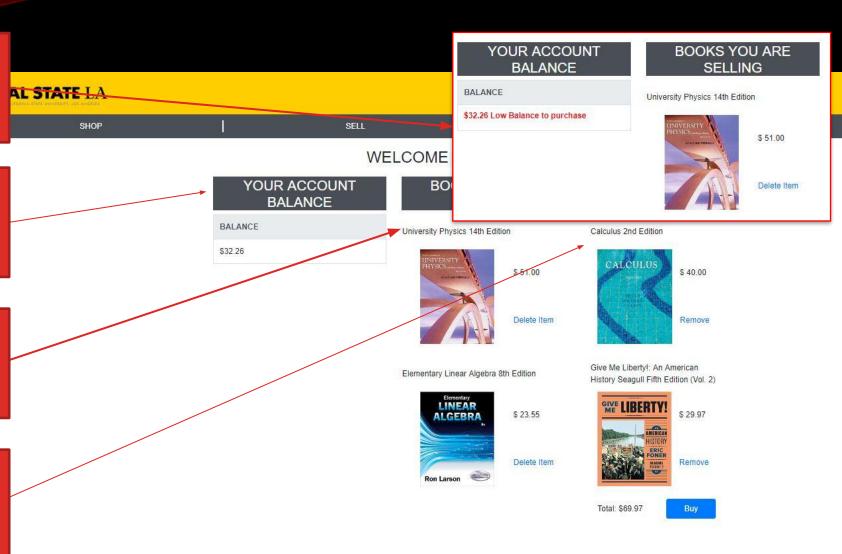
SYSTEM FEATURE: PROFILE

USER NOT ALLOWED
TO ADD BOOKS IF
LOW BALANCE

BALANCE OF USER, BALANCE ALSO GETS UPDATED WHEN THE BOOK IS ADDED TO CART

BOOKS LISTED SOLD BY USER

BOOKS IN THE CART, MULTIPLE BOOKS CAN BE ADDED TO THE CART



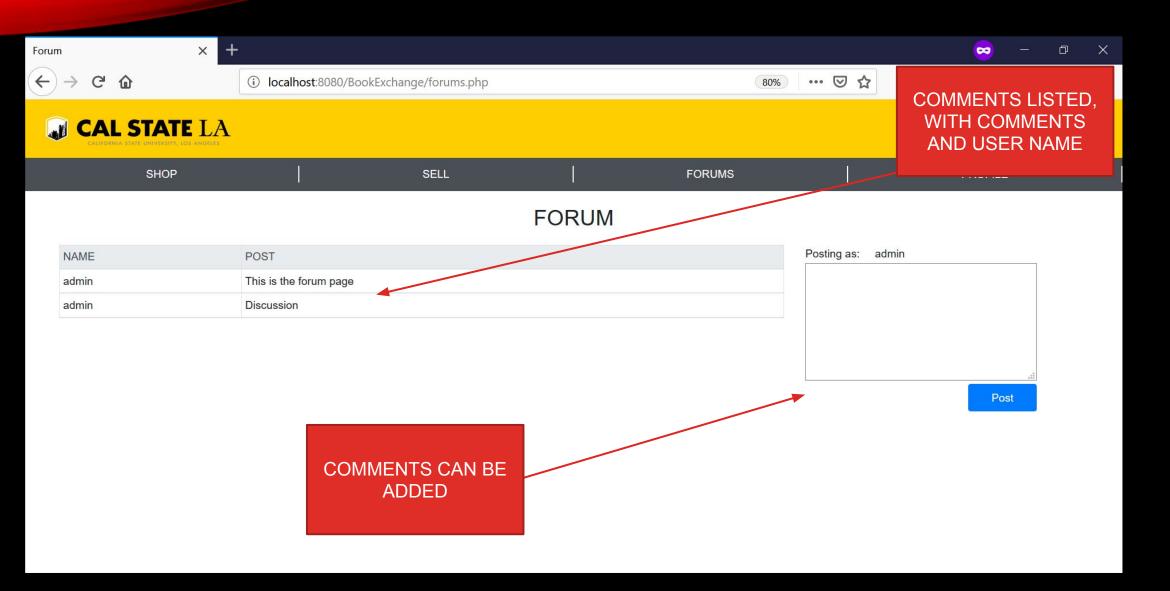
PROFILE

SYSTEM FEATURE

FORUM

- Posting messages by users
- Messages gets added at the bottom
- Messages shows user name
- Works like open forum

SYSTEM FEATURE: FORUM



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TECHNICAL: DATA

LIST OF TABLES CREATED

EXAMPLES OF TABLES AND THEIR DATA FIELDS mysql> describe users;

Field	Type	Null	Key	Default	Extra
id	int(10)	NO NO	PRI	NULL	auto_increment
name	varchar(50)	NO	İ	İ	
email	varchar(50)	NO	İ	İ	i
is admin	tinyint(1)	NO	j	0	i
balance	decimal(15,2)	NO	İ	100.00	i
hold status	varchar(10)	NO	i	Active	i

6 rows in set (0.01 sec)

Field	Type	Null	Key	Default	Extra
seller id	int(10)	NO NO			
isbn10	varchar(10)	NO	j		
title	varchar(100)	YES	j	NULL	
author	varchar(50)	NO	j		
price	decimal(15,2)	NO	j		
description	varchar(500)	YES	Ì	NULL	
post time	datetime	YES	Ì	NULL	
pic_path	varchar(100)	YES		NULL	
toc_path	varchar(100)	YES		NULL	
rating	double	YES	j	0	

10 rows in set (0.06 sec)

mysql> describe comments;

Туре	Null	Key	Default	Extra
int(10)	NO	İ		
varchar(50)	NO	1	Ĭ	i i
varchar(250)	NO	1	ĺ	1
varchar(10)	NO	1		ĺ
int(1)	YES		NULL	ĺ
	int(10) int(10) varchar(50) varchar(250) varchar(10)	int(10) NO varchar(50) NO varchar(250) NO varchar(10) NO	int(10) NO varchar(50) NO varchar(250) NO varchar(10) NO	int(10)

5 rows in set (0.08 sec)

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FUTURE WORK

EMAIL NOTIFICATION

- Ability to send email to users
 - when low balance
 - books overdue
 - account on hold
- When required books available
- Sending confirmation of a transaction

FUTURE WORK

MULTIPLE DISCUSSION THREAD

- More threads in forum
- Dynamic messaging platform

FUTURE WORK

ADMIN PRIVILEGES EXTENDED

- Ability to delete forum messages
- Ability to send emails to users
- Ability to delete books