DATABASE MANAGEMENT SYSTEM

Fall semester

2019-2020

“Online Book Store”

Project Review

Prof: Jayashree J

Made By: Ritik Pratap Singh(18BCE0631)

Vaibhav Singh(18BCE2313)

Ritvik Kataria(18BCE0873)

Rishav Panchal(18BCE2275)

Abstract:

In this project we have built an online bookstore named GreenTreeBooks that sells books of various categories and written by several authors. The book inventories are stored in MySql in phpmyadmin. Customers can access the online bookstore through the internet. Customers will be able to dynamically search the database to find the books they want and place the order to buy the book using the cash on delivery option.

Online Book store is an online web application where the customer can purchase books online. Through a web browser the customers can search for a book by its title or author, later can add to the shopping cart and finally purchase using cash on delivery. The user can login using his account details or new customers can set up an account very quickly. They should give the details of their name, contact number and shipping address. The books are divided into many categories based on subject like fiction, children's book, Editor's Choice, Scientific, Exam Preparation, Biography, etc.

The Online Book Store Website provides customers with online shopping through a web browser. A customer can, create, sign in to his account, place items into a shopping cart and purchase using his credit card details.

The Administrator will have additional functionalities and access when compared to the common user. He can add, delete and update the book details.

Design and Methodology:

In this project several technologies were used:

•HTML language for web

•MySql for database

•Javascript

•PHP

•XAMPP server

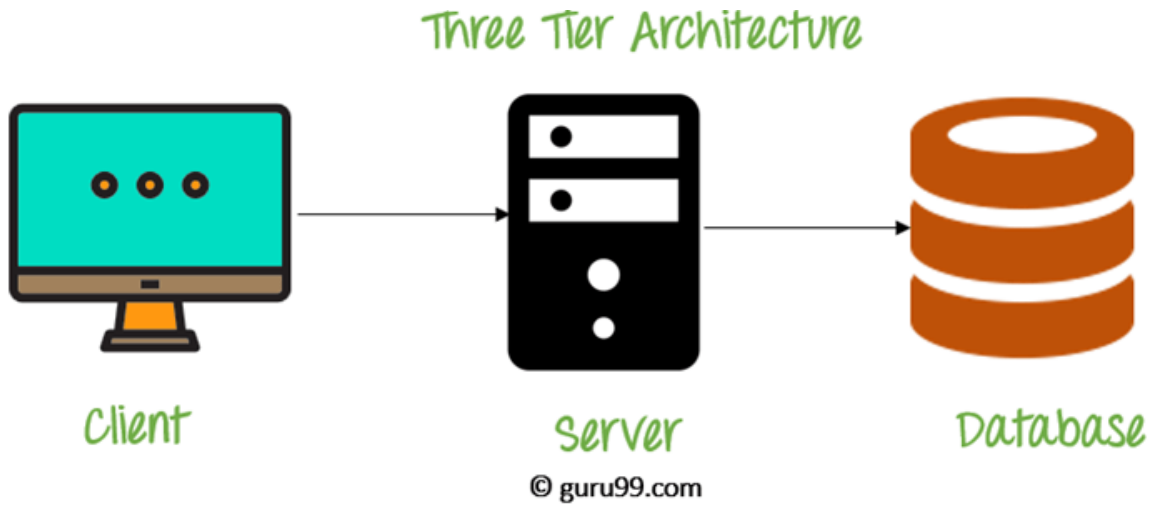
•Bootstrap 4

Three-tier (layer) is a client-server architecture in which the user interface, business process (business rules) and data storage and data access are developed and maintained as independent modules or most often on separate platforms.

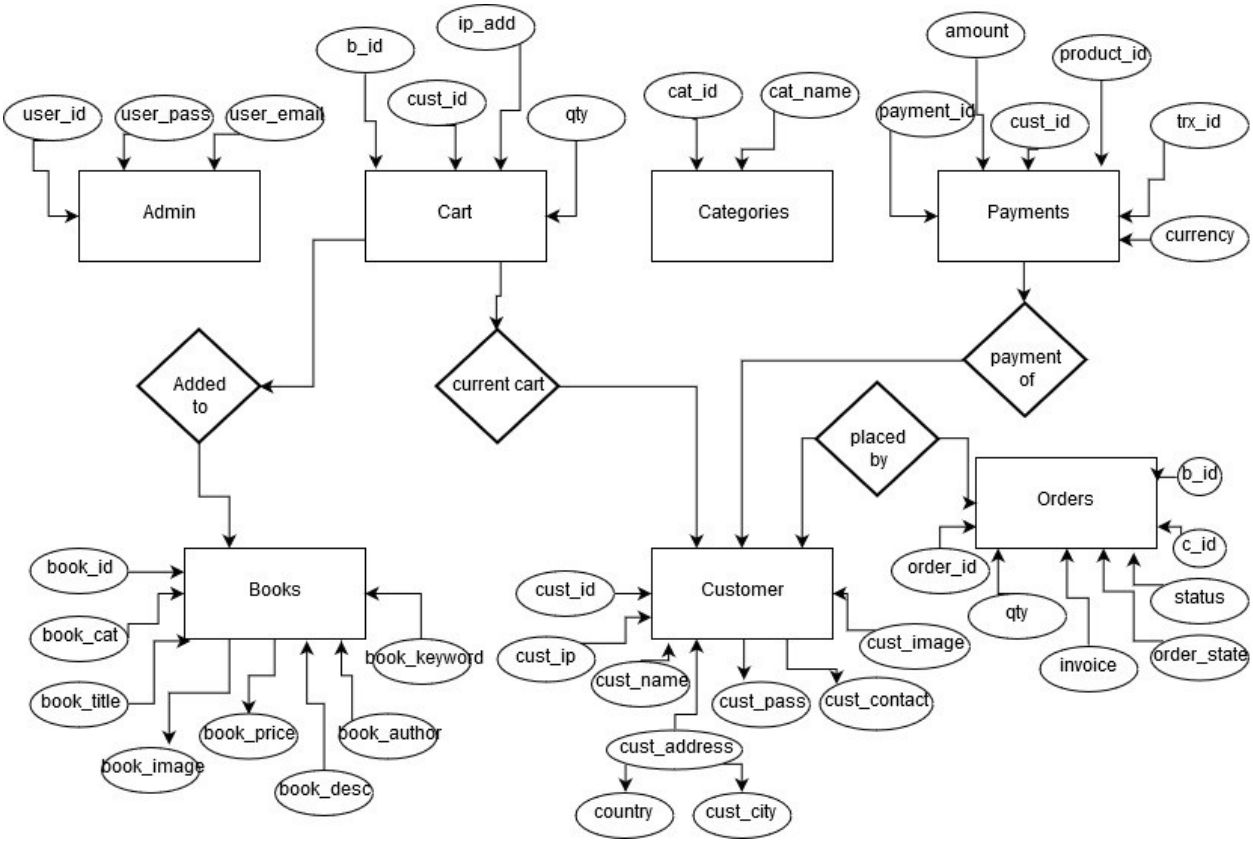
The Architecture of Online Book Store is based on three-tier architecture.

The three logical tiers are

- GUI tier – HTML forms , BootStrap4 , javascript
- Middle tier – PHP functions.
- Data tier-MySql Database



ER Diagram and Relational Model: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Books
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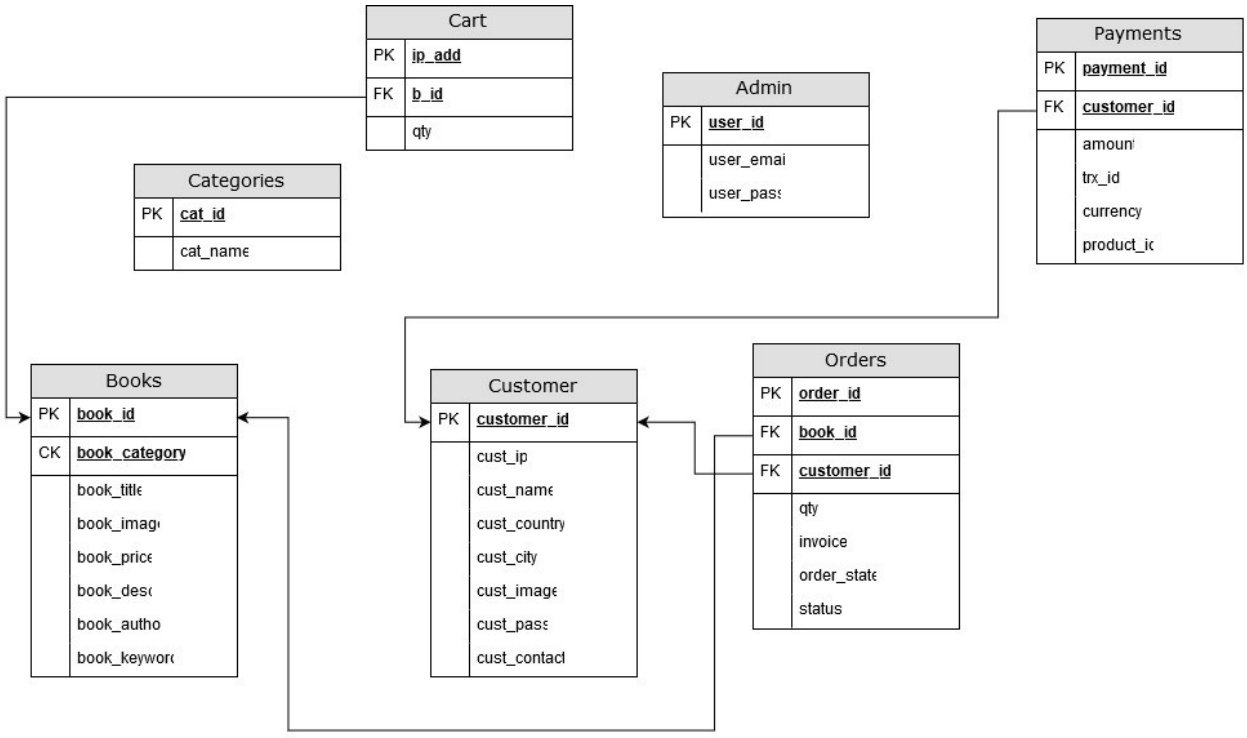
cust_image
Customer


Cart
PK ip_add
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PK book_id
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book_title
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Customer
PK customer_id
cust_ip
cust_name
cust_country
cust_city
cust_image
cust_pass
cust_contact
Orders
PK order_id
FK book_id
FK customer_id
qty
invoice
order_state
status

SQL Code:

```
-- phpMyAdmin SQL Dump
-- version 4.8.3
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Oct 16, 2019 at 08:55 PM
-- Server version: 10.1.36-MariaDB
-- PHP Version: 5.6.38

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET AUTOCOMMIT = 0;
START TRANSACTION;
SET time_zone = "+00:00";


/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

--
-- Database: `booksdb`
--

-- --------------------------------------------------------

--
```

```
-- Table structure for table `admins`
--

CREATE TABLE `admins` (
  `user_id` int(10) NOT NULL,
  `user_email` varchar(255) NOT NULL,
  `user_pass` int(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-- --------------------------------------------------------

--
-- Table structure for table `books`
--

CREATE TABLE `books` (
  `book_id` int(50) NOT NULL,
  `book_category` int(30) NOT NULL,
  `book_title` varchar(100) NOT NULL,
  `book_image` text NOT NULL,
  `book_price` int(20) NOT NULL,
  `book_author` text NOT NULL,
  `book_desc` text NOT NULL,
  `book_keyword` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
```

```
-- Dumping data for table `books`

--


INSERT INTO `books` (`book_id`, `book_category`, `book_title`, `book_image`, `book_price`, `book_author`, `book_desc`, `book_keyword`) VALUES

(1, 4, 'Tony Stark', '8d8702385b11da8d0c7604563ffe5e18.jpg', 1234, 'sadfg', 'afegsrhe', 'afes'),

(2, 2, 'Percy Jackson', '814USDSQBaL.jpg', 399, 'Rick Riordan', 'sdasfvc', 'advfs'),

(6, 2, 'Joker', 'images (2).jpg', 249, 'Jeremiah Valeska', 'sqwdeqwre', 'joker'),

(8, 3, 'Khal Drogo', '16736e5dade2f3fdba98135c51c5b68c.jpg', 1321, 'Danerys', 'danerys aur khal ke chudai ki katha', 'GOT'),

(9, 3, 'Lion King', '1200px-Lion_waiting_in_Namibia.jpg', 1351, 'Mufasa', 'Revenge on Scar', 'family'),

(10, 6, 'Reverse Osmosis', 'download.jpg', 345, 'Akella Sivaramakrishnan', 'Nice.', 'Vit'),

(11, 6, 'Joker Original', 'dfwkvm.jpg', 425, 'Heath Ledger', 'Rip Heath Ledger.', 'batman'),

(12, 3, 'Batman', 'the_dark_knight_rises-wallpaper-1920x1080.jpg', 676, 'Ben Affleck', 'I am Batman.', 'joker');


-- --------------------------------------------------------


--

-- Table structure for table `cart`

--


CREATE TABLE `cart` (

  `b_id` int(10) DEFAULT NULL,

  `ip_add` varchar(255) DEFAULT NULL,

  `qty` int(10) DEFAULT '1'

) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `cart`
--

INSERT INTO `cart` (`b_id`, `ip_add`, `qty`) VALUES
(2, '::1', 1),
(12, '::1', 1);

-- --------------------------------------------------------

--
-- Table structure for table `categories`
--

CREATE TABLE `categories` (
  `cat_id` int(20) NOT NULL,
  `cat_name` varchar(50) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `categories`
--

INSERT INTO `categories` (`cat_id`, `cat_name`) VALUES
(1, 'All books'),
(2, 'Fiction'),
```

```
(3, 'Children\'s Books'),
(4, 'Editor\'s Choice'),
(5, 'Scientific'),
(6, 'Exam Preparation'),
(7, 'Biography');

-- --------------------------------------------------------

--
-- Table structure for table `customer`
--

CREATE TABLE `customer` (
  `customer_id` int(10) NOT NULL,
  `customer_ip` varchar(255) NOT NULL,
  `customer_name` text NOT NULL,
  `customer_email` varchar(100) NOT NULL,
  `customer_pass` varchar(100) NOT NULL,
  `customer_state` text NOT NULL,
  `customer_city` text NOT NULL,
  `customer_contact` varchar(255) NOT NULL,
  `customer_image` text NOT NULL,
  `customer_address` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `customer`
```

--

INSERT INTO `customer` (`customer_id`, `customer_ip`, `customer_name`, `customer_email`, `customer_pass`, `customer_state`, `customer_city`, `customer_contact`, `customer_image`, `customer_address`) VALUES

(5, '::1', 'arya', 'arya.atharva6@gmail.com', 'arya', 'Andaman and Nicobar Islands', 'jamshedpur', '9003487569', '8d8702385b11da8d0c7604563ffe5e18.jpg', 'ghar'),

(6, '::1', 'Lakshit', 'lakshit99@gmail.com', '123', 'Delhi', 'delhi', '098574564576', '16736e5dade2f3fdba98135c51c5b68c.jpg', 'dubai');

-- --

--

-- Table structure for table `orders`

--

CREATE TABLE `orders` (

  `order_id` int(100) NOT NULL,

  `b_id` int(100) NOT NULL,

  `c_id` int(100) NOT NULL,

  `qty` int(100) NOT NULL,

  `invoice_no` int(100) NOT NULL,

  `order_state` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,

  `status` text NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-- --

```
--
-- Table structure for table `payments`
--

CREATE TABLE `payments` (
  `payment_id` int(100) NOT NULL,
  `amount` int(100) NOT NULL,
  `customer_id` int(100) NOT NULL,
  `product_id` int(100) NOT NULL,
  `trx_id` int(100) NOT NULL,
  `currency` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

-- --------------------------------------------------------

--
-- Table structure for table `quotes`
--

CREATE TABLE `quotes` (
  `quote_id` int(11) NOT NULL,
  `quote` text NOT NULL,
  `quoted_by` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `quotes`
```

--

INSERT INTO `quotes` (`quote_id`, `quote`, `quoted_by`) VALUES

(2, 'There is no friend as loyal as a book.', ' Ernest Hemingway'),

(3, 'A reader lives a thousand lives before he dies . . . The man who never reads lives only one.', 'George R.R. Martin'),

(4, '... a mind needs books as a sword needs a whetstone, if it is to keep its edge.', 'George R.R. Martin'),

(5, 'Books are a uniquely portable magic.', 'Stephen King'),

(6, 'Fairy tales are more than true: not because they tell us that dragons exist, but because they tell us that dragons can be beaten.', 'Neil Gaiman'),

(7, 'That\'s the thing about books. They let you travel without moving your feet.', 'Jhumpa Lahiri'),

(8, 'I do believe something very magical can happen when you read a book.', 'J.K. Rowling'),

(9, 'There is some good in this world, and it\'s worth fighting for.', 'J.R.R. Tolkien, The Two Towers'),

(10, 'Twenty years from now you will be more disappointed by the things that you didn\'t do than by the ones you did do.', 'H.Jackson Brown Jr., P.S. I Love You'),

(11, 'Every human life is worth the same, and worth saving.', 'J.K. Rowling, Harry Potter and the Deathly Hallows'),

(12, 'The goal isn\'t to live forever, the goal is to create something that will.', 'Chuck Palahniuk, Diary'),

(13, 'Most people are nice when you finally see them.\r\n', 'Harper Lee, To Kill a Mockingbird'),

(14, 'There is no friend as loyal as a book.', 'Ernest Hemingway'),

(15, 'We\'ve all got both light and dark inside us. What matters is the part we choose to act on. That\'s who we really are.', 'J. K. Rowling, Harry Potter and the Order of the Phoenix'),

(16, 'Get busy living or get busy dying.', 'Stephen King, The Shawshank Redemption'),

(17, 'My advice is, never do tomorrow what you can do today. Procrastination is the thief of time.', 'Charles Dickens, David Copperfield'),

(18, 'And so we beat on, boats against the current, borne back ceaselessly into the past.', 'F. Scott Fitzgerald, The Great Gatsby'),

```
(19, 'It\'s the possibility of having a dream come true that makes life interesting.', 'Paulo Coelho, The Alchemist');


--

-- Indexes for dumped tables

--


--

-- Indexes for table `admins`

--

ALTER TABLE `admins`

  ADD PRIMARY KEY (`user_id`);


--

-- Indexes for table `books`

--

ALTER TABLE `books`

  ADD PRIMARY KEY (`book_id`);


--

-- Indexes for table `cart`

--

ALTER TABLE `cart`

  ADD KEY `fk_1` (`b_id`);


--

-- Indexes for table `categories`
```

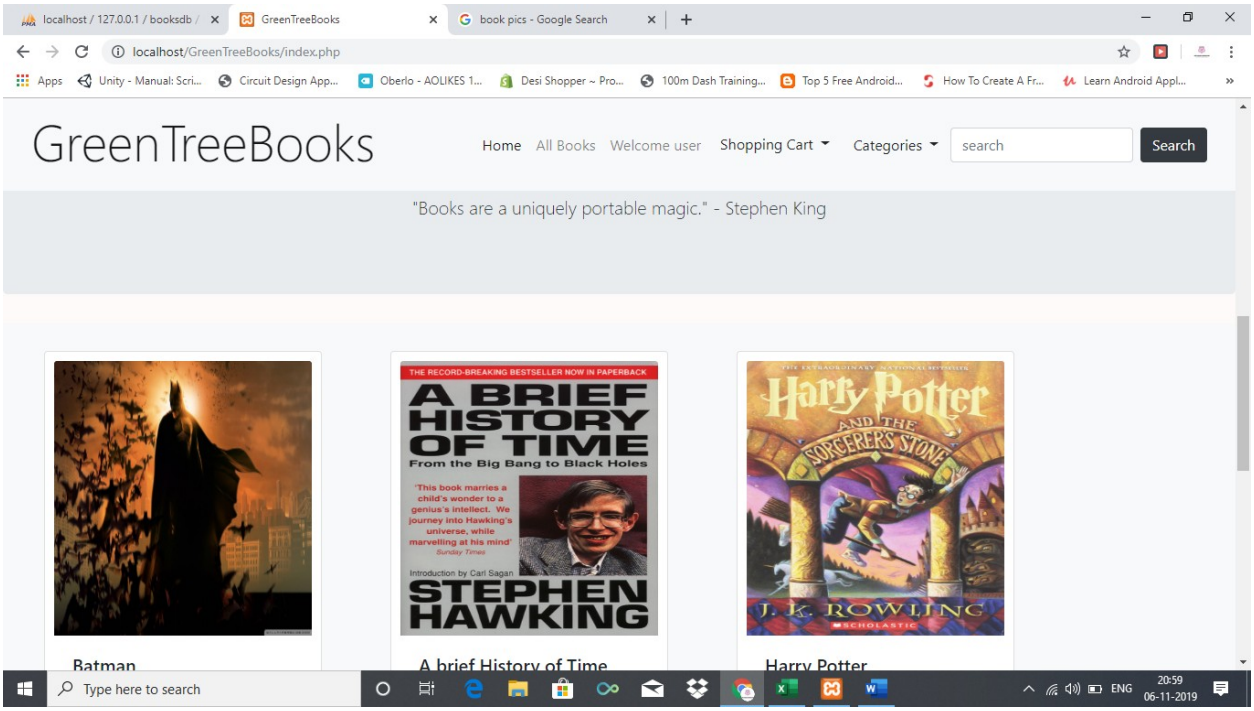
```
--
ALTER TABLE `categories`
  ADD PRIMARY KEY (`cat_id`);

--
-- Indexes for table `customer`
--
ALTER TABLE `customer`
  ADD PRIMARY KEY (`customer_id`);

--
-- Indexes for table `orders`
--
ALTER TABLE `orders`
  ADD PRIMARY KEY (`order_id`);

--
-- Indexes for table `payments`
--
ALTER TABLE `payments`
  ADD PRIMARY KEY (`payment_id`);

--
-- Indexes for table `quotes`
--
ALTER TABLE `quotes`
  ADD PRIMARY KEY (`quote_id`);
```

```
--
-- AUTO_INCREMENT for dumped tables
--


--
-- AUTO_INCREMENT for table `admins`
--
ALTER TABLE `admins`
  MODIFY `user_id` int(10) NOT NULL AUTO_INCREMENT;


--
-- AUTO_INCREMENT for table `books`
--
ALTER TABLE `books`
  MODIFY `book_id` int(50) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=13;


--
-- AUTO_INCREMENT for table `categories`
--
ALTER TABLE `categories`
  MODIFY `cat_id` int(20) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=8;


--
-- AUTO_INCREMENT for table `customer`
--
ALTER TABLE `customer`
```

```
  MODIFY `customer_id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;


--
-- AUTO_INCREMENT for table `orders`
--
ALTER TABLE `orders`
  MODIFY `order_id` int(100) NOT NULL AUTO_INCREMENT;


--
-- AUTO_INCREMENT for table `payments`
--
ALTER TABLE `payments`
  MODIFY `payment_id` int(100) NOT NULL AUTO_INCREMENT;


--
-- AUTO_INCREMENT for table `quotes`
--
ALTER TABLE `quotes`
  MODIFY `quote_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=20;


--
-- Constraints for dumped tables
--


--
-- Constraints for table `cart`
--
```

```
ALTER TABLE `cart`
  ADD CONSTRAINT `fk_1` FOREIGN KEY (`b_id`) REFERENCES `books` (`book_id`);
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

Website Screenshot: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"Books are a uniquely portable magic." - Stephen King
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Harry Potter
AND THE SORCERER'S STONE
J.K. ROWLING
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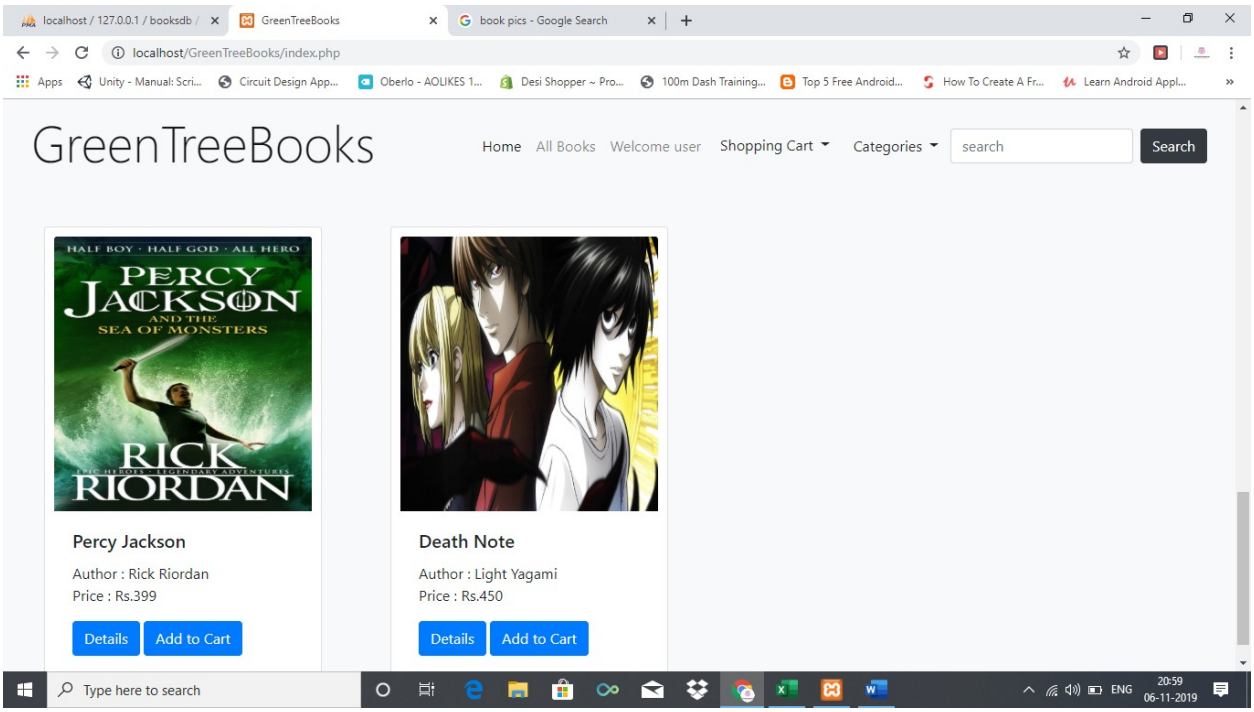
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GreenTreeBooks
Home
All Books
Welcome user
Shopping Cart
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Search
HALF BOY · HALF GOD · ALL HERO
PERCY JACKSON
AND THE SEA OF MONSTERS
RICK RIORDAN
Percy Jackson
Author : Rick Riordan
Price : Rs.399
Details
Add to Cart
Death Note
Author : Light Yagami
Price : Rs.450
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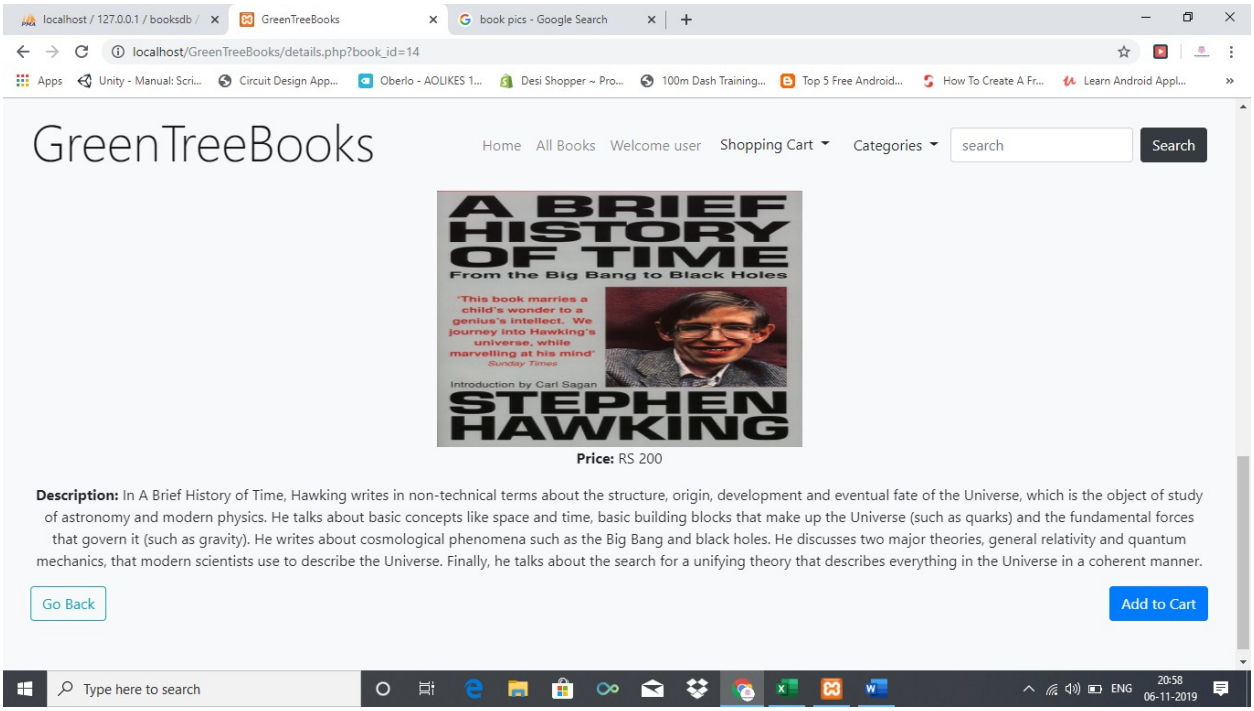
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Desi Shopper ~ Pro...
100m Dash Training...
Top 5 Free Android...
How To Create A Fr...
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GreenTreeBooks
Home
All Books
Welcome user
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Search
A BRIEF HISTORY OF TIME
From the Big Bang to Black Holes
"This book marries a child's wonder to a genius's intellect. We journey into Hawking's universe, while marvelling at his mind"
Sunday Times
Introduction by Carl Sagan
STEPHEN HAWKING
Price: RS 200
Description: In A Brief History of Time, Hawking writes in non-technical terms about the structure, origin, development and eventual fate of the Universe, which is the object of study of astronomy and modern physics. He talks about basic concepts like space and time, basic building blocks that make up the Universe (such as quarks) and the fundamental forces that govern it (such as gravity). He writes about cosmological phenomena such as the Big Bang and black holes. He discusses two major theories, general relativity and quantum mechanics, that modern scientists use to describe the Universe. Finally, he talks about the search for a unifying theory that describes everything in the Universe in a coherent manner.
Go Back
Add to Cart
Type here to search
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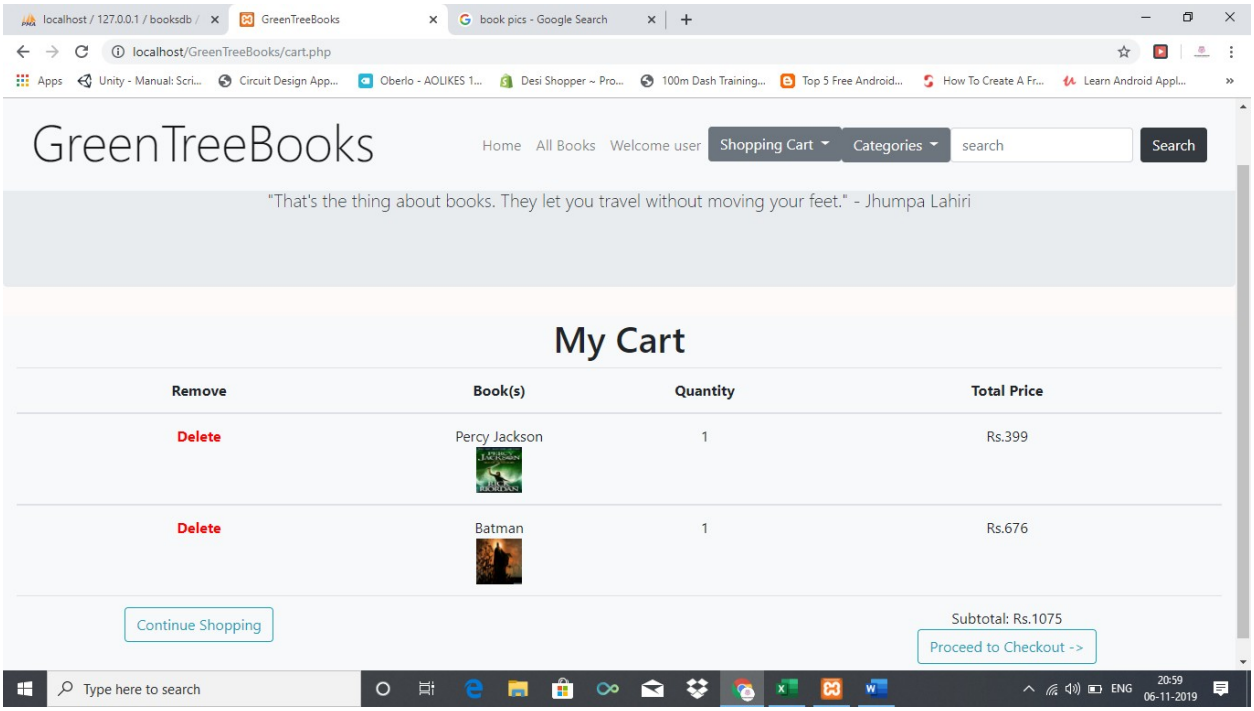
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Search
"That's the thing about books. They let you travel without moving your feet." - Jhumpa Lahiri
My Cart
Remove
Book(s)
Quantity
Total Price
Delete
Percy Jackson
1
Rs.399
Delete
Batman
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Rs.676
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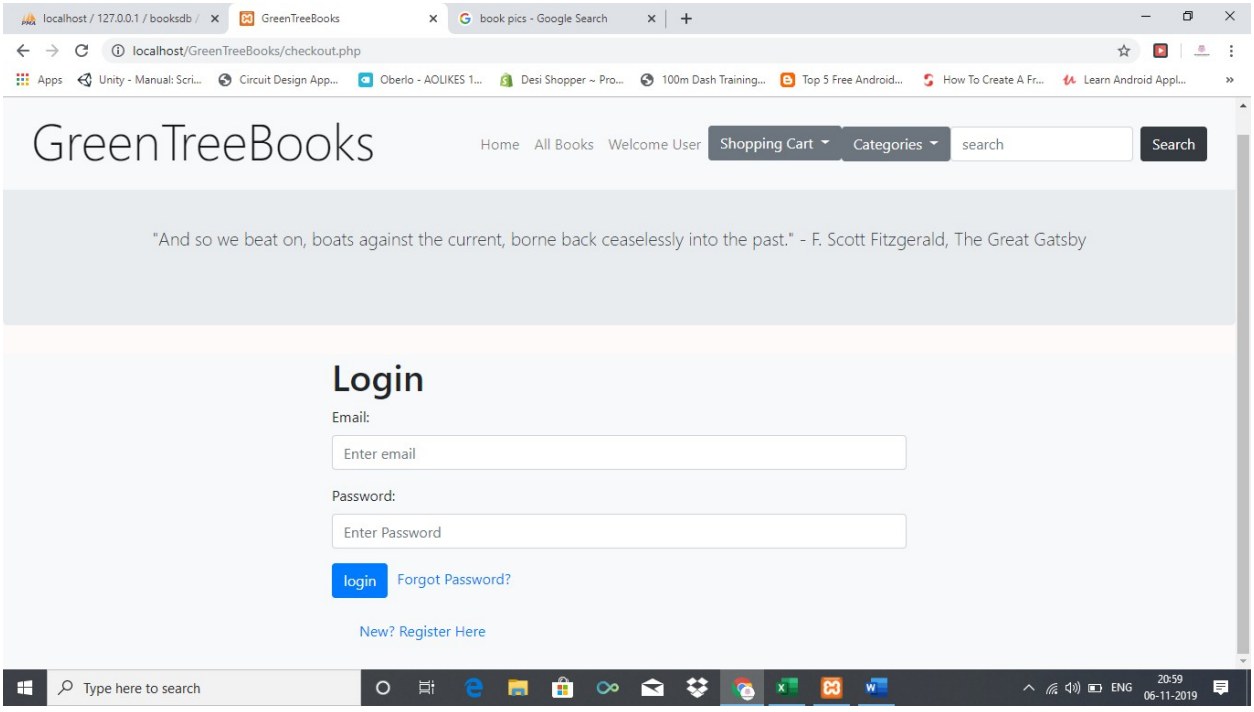
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"And so we beat on, boats against the current, borne back ceaselessly into the past." - F. Scott Fitzgerald, The Great Gatsby
Login
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New? Register Here
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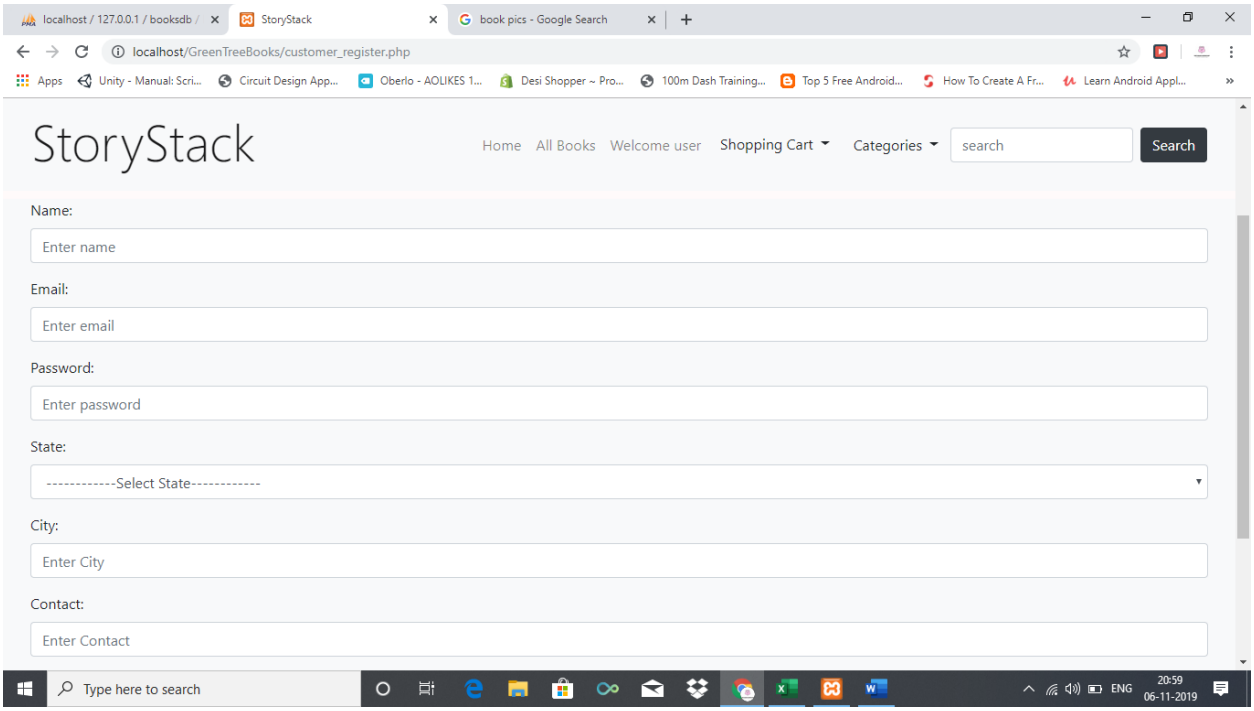
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100m Dash Training...
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Learn Android Appl...
StoryStack
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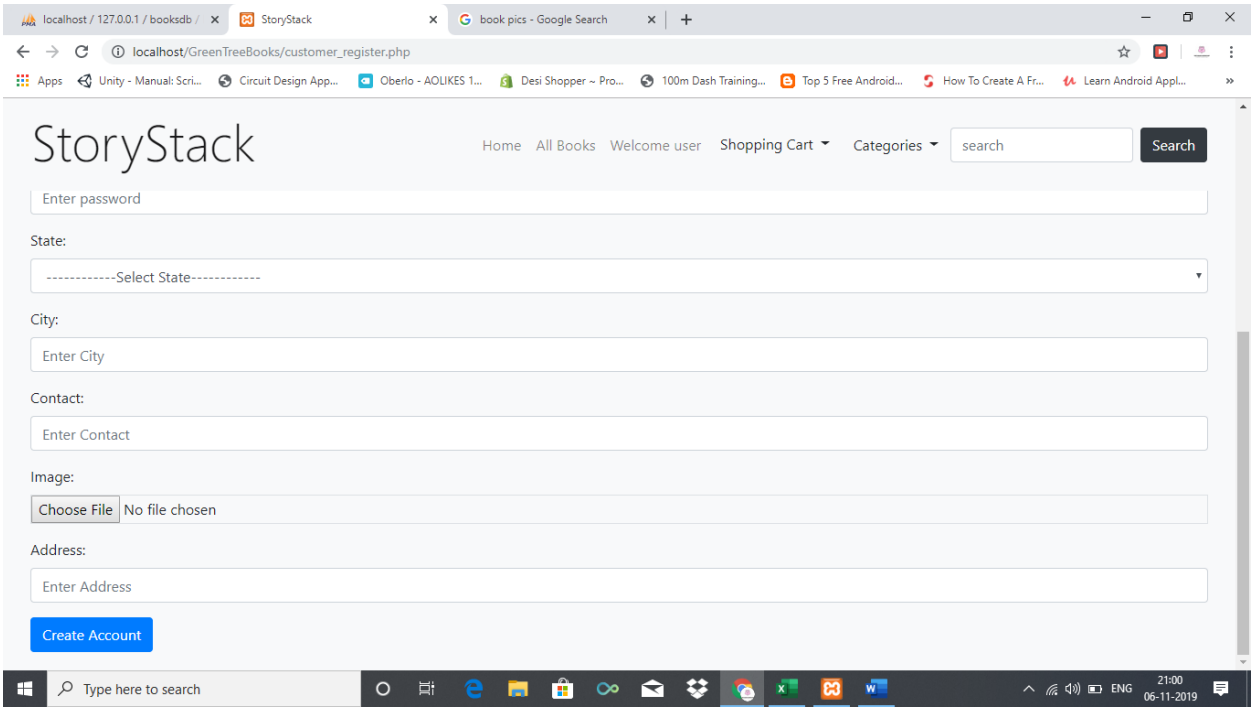
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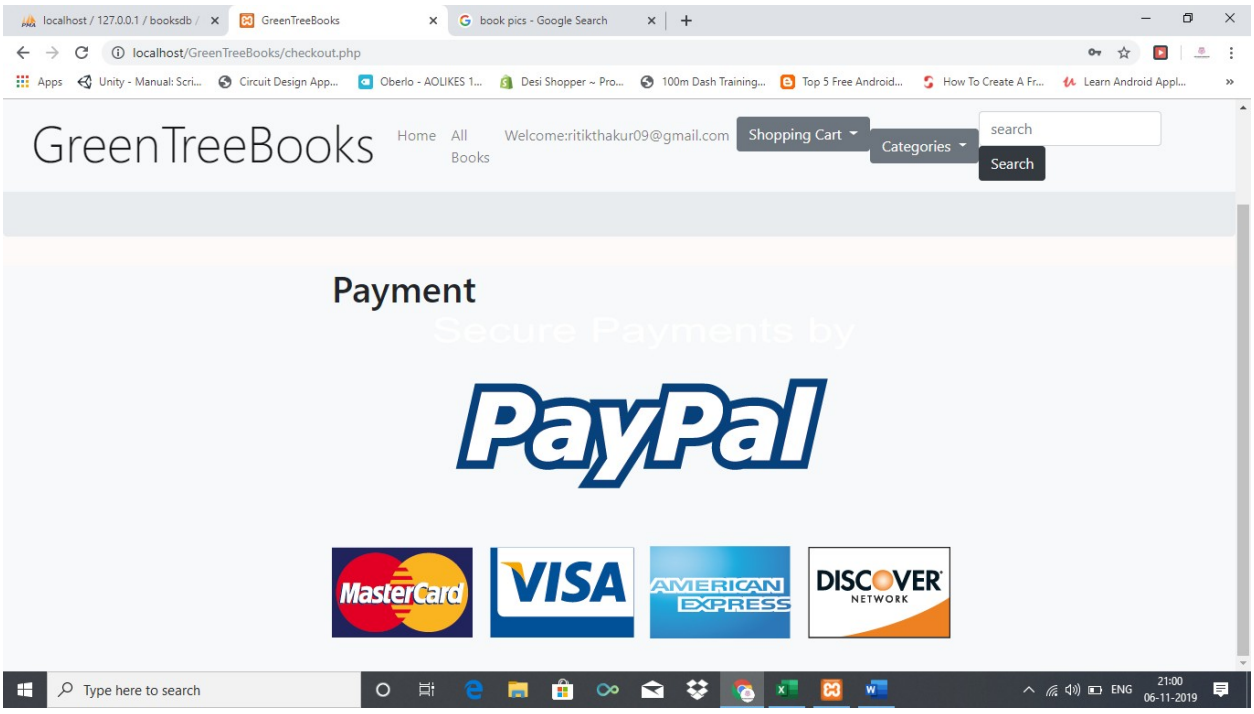
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