

University of San Carlos - Talamban Campus
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CpE 3222 | Group 2 - Web Development: Friday 7:30 -10:30

Readify

Book Buy and Sell Management System

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I. Introduction

Readify is an innovative online platform designed to cater to the needs of book enthusiasts who are looking to buy, sell, or exchange books. Powered by PHP programming language and supported by a robust MySQL database, our website provides a seamless and user-friendly experience for users passionate about the world of literature. Whether you are a student seeking affordable textbooks, an avid reader in search of your next favorite novel, or a collector looking to expand your literary treasures, Readify offers a comprehensive marketplace where users can connect and engage in transactions safely and efficiently.

II. Framework



A coding framework was used in the development of the system, which is Laravel. Laravel is a popular PHP web application framework that follows the Model-View-Controller (MVC) architectural pattern. It provides a robust and elegant toolkit for building web applications, making development tasks easier and more efficient. Laravel simplifies common web development tasks such as routing, caching, database management, and authentication, enabling developers to focus on creating high-quality applications. One of the key features of the framework is its expressive syntax and intuitive design. It offers a clean and readable code structure, allowing developers to write code that is both efficient and maintainable. Laravel also includes a wide range of built-in functionalities, such as an ORM (Object-Relational Mapping)

called Eloquent, which simplifies database operations by providing an intuitive and fluent interface.

The framework emphasizes convention over configuration, which means that developers can quickly start building applications without spending excessive time on tedious configuration tasks. Laravel promotes code reusability through its modular structure and support for third-party libraries and packages. It has an extensive ecosystem of community-contributed packages, referred to as "Laravel Packages" or "Laravel Packages," which provide additional functionality and extend the capabilities of the framework. Another notable feature of Laravel is its robust set of tools for testing and debugging applications. The framework includes a built-in testing suite called PHPUnit, which enables developers to write unit tests and ensure the quality and stability of their code. Laravel also provides a convenient and powerful debugging tool called "Artisan," which allows developers to run tasks, migrate databases, and manage other aspects of the application through the command line interface.

III. Database



Data that was being input by the user must be stored somewhere in order to retrieve, update, or delete it whenever the user wants to do so. For that to be possible, a database was used, which is MySQL. When PHP and MySQL are used together, they form a powerful combination for building dynamic websites and web applications. PHP provides the ability to write server-side code that can interact with a MySQL database. This means that PHP scripts can be used to retrieve, store, update, and delete data from the MySQL database.

MySQL databases are organized into tables, which consist of rows and columns. Each row in a table represents a record, while each column represents a specific piece of data or attribute associated with that record. PHP scripts can be used to establish a connection with the MySQL database and perform various operations on the data. This includes querying the database to retrieve specific records, inserting new records into the database, updating existing records, and deleting records as needed. PHP provides functions and extensions specifically designed to work with MySQL databases, making it easy to interact with the data stored in the database.

To use PHP with MySQL, you typically start by establishing a connection to the MySQL server using the appropriate credentials such as the server hostname, username, password, and database name.

IV. Website Pages and Functions

Home Page

Community Books Our Advocacy Fellow Advocates FAQ [Sign In](#)

BUY A BOOK!

Books are a uniquely portable magic.

Welcome to Readify! We believe that every used book deserves another loving reader, and our mission is to make the buy and sell process as easy and enjoyable as possible. On our platform, you can browse through different genre and listings of affordable books in your area.

[Buy a Book](#)

This page is an interface focusing on books that typically serves as the main landing page that introduces visitors to the website's content and features related to books. The home page's overall functionality is to engage users, offer book recommendations and encourage users to delve deeper and discover books that are relevant to their interests.

Login Page

The screenshot shows a login form with the following elements:

- A logo icon followed by the text "Readify".
- A heading "Sign into your account".
- A field labeled "Email address" with an input box.
- A field labeled "Password" with an input box.
- A large orange "Sign In" button.
- A link at the bottom right that says "Don't have an account? [Register](#)".

The Login Page is an interface that allows users to access restricted areas or personalized features of the website by entering their credentials. It serves as a gateway that verifies the user's identity before granting access to the desired resources. Once users successfully enter valid credentials and click the login button, the website's backend verifies the provided information against the stored user data. If the credentials match, the user is granted access to the authorized sections or personalized features of the website.

Registration Page

The screenshot shows a registration form with the following elements:

- A logo icon followed by the text "Readify".
- A heading "Register an account".
- A field labeled "Name" with an input box.
- A field labeled "Email address" with an input box.
- A field labeled "Password" with an input box.
- A field labeled "Confirm Password" with an input box.
- A large orange "Create Account" button.
- A link at the bottom right that says "Already a member? [Sign In](#)".

The Registration Page serves as the gateway for users to create new accounts and gain access to the website's features and services. The primary functionality of this page includes collecting necessary information from the user and validating it to create a unique account.

Community Books Page

The screenshot displays the 'Community Books Page' with three book listings:

- Harry Potter** by J.K. Rowling: A Harry Potter book, story is about the prisoner of azkaban...
Genre: Fiction, Adventure, Magic, Wizards
Show Details
- Eloquent Javascript** by Marijn Haverbeke: Book about javascript and web dev....
Genre: Coding, Web Development, Javascript
Show Details
- Turtles All The Way Down** by John D. Green: Very interesting plot. A must read! Such a wonderful book...
Genre: Fiction, Romance, Adventure
Show Details

Readify
Find. Buy. Read.

About FAQs Buy Testimonials Sign Up

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The Community Books Page shows the different listings of books from different owners, the title, author, genre, and a short description about the book. There is also a "Show Details" button wherein once clicked the user can see other details about the book that are not displayed in the page.

Our Advocacy Page

About Us

At Readify, we believe that books hold a special place in our lives, carrying stories, knowledge, and inspiration that transcends time. Our mission is to create a thriving community where books find new homes and eager readers to continue their journey. We passionately advocate against the disposal of books after reading, as we firmly believe that every book deserves to be cherished and shared with others.

In a world where technology rapidly transforms the way we consume information, we strive to uphold the timeless value of books. We envision a society where the love for reading is fostered, where books become cherished companions that are passed from one reader to another. Our vision is to inspire a sustainable reading culture that celebrates the power of storytelling, promotes intellectual growth, and nurtures empathy and understanding among individuals.



Our Story

At Readify, our mission is twofold: to create a platform that facilitates the exchange of books and to encourage a mindset that values the importance of book reuse. We firmly believe that books have life beyond a single reading and deserve to be enjoyed by multiple individuals, creating a beautiful cycle of discovery and enlightenment.



Kristoffer



Odhrey



Kayla



Mateo

The Our Advocacy page shows who are the people behind the success of the website and their story. It also serves as a platform to communicate the website's mission, values, and causes related to literature and reading. The overall functionality of this page is to clearly communicate the website's commitment to the importance of book buy and sell, educate visitors about the importance of these causes, and provide opportunities for engagement and support.

Fellow Advocates Page



Community Books Our Advocacy Fellow Advocates FAQ My Books

Logout

+ Add New

Our fellow Advocates love what we do

Over 10,000 pet advocates use our application to reach their message and help a book find a new reader.

Buy a Book

“

I highly recommend this site to anyone looking to buy a book. The selection of books is amazing and the staff is incredibly knowledgeable and friendly. As a bookworm, I couldn't be happier with my new book!

Jhury Lastre



“

Buying a book through this site was the best decision I ever made! The process was so easy and the staff was incredibly helpful. I couldn't imagine my life without buying new books!

Paul Toral



“

I was hesitant about buying a book online, but this site made the process so simple and stress-free. I found books on this site that I would love to read but I could not find in a physical store!

Krystelle Timtim



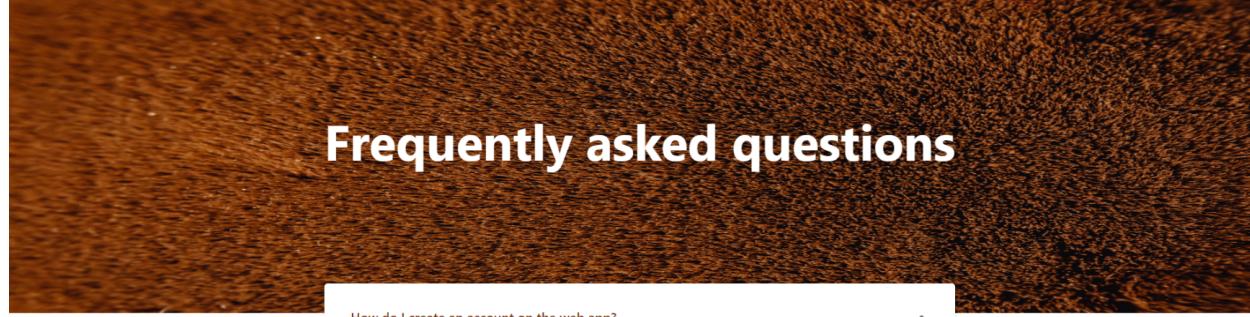
Find. Buy. Read.

About FAQs Buy Testimonials Sign Up

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The Fellow Advocates Page shows testimonials from different users and buyers that love the service and functionalities of the website as well as the staff behind it.

FAQ Page



The background of the FAQ page features a close-up, slightly blurred image of a dark brown, textured surface, possibly leather or wood grain.

Frequently asked questions

How do I create an account on the web app?

To create an account, click on the "Sign Up" button on the homepage and fill in the required information, such as your name, email address, and password. Once you've submitted the form, you'll receive a confirmation email to verify your account.

Can I use the web app for free?

Yes, the web app is completely free to use. There are no subscription fees or hidden costs.

How do I contact customer support if I have a problem with the web app?

You can contact our customer support team by sending an email to readify@gmail.com. Our team will respond to your inquiry as soon as possible.

Is my data secure on the web app?

Yes, we take data security very seriously and use the latest encryption and security measures to protect your data. Your personal information will never be shared with third parties without your consent.

 Readify

Find. Buy. Read.

[About](#) [FAQs](#) [Buy](#) [Testimonials](#) [Sign Up](#)

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The FAQ Page shows the Frequently Asked Questions by users and their corresponding answers.

My Books Page

 Readify Community Books Our Advocacy Fellow Advocates FAQ My Books [Logout](#) [+ Add New](#)

My Books				Add New Book
Title	Author	Genre	Actions	
 Turtles All The Way Down Condition: Good as new	John Green	Fiction Romance	 Edit  Delete	
 Eloquent Javascript Condition: Fair	Marijn Haverbeke	Coding Web Development	 Edit  Delete	

The My Books Page shows the listings of books uploaded by the user wherein they have the privilege to edit the details of the book or delete the listing.

Add/Update Book Page



Community Books Our Advocacy Fellow Advocates FAQ My Books

Logout

+ Add New

Book Details

Title

What's the title of your book?

Genre

State the genre in a comma separated list e.g. Fiction, Adventure

Author

Who is the author of your book?

Condition

What is the quality of your book? e.g. Good as new, Good, Fair, Poor

Volume

If it's a collection, specify what Volume do you have.

Image

 Choose File No file chosen

Show us how cool your book is!

Email

Contact Email

Website

Link to bookstore website, Facebook page or any relevant social network

Phone

Contact Phone Number

Book Description

Start typing here ...

Enter book description for better understanding

Cancel

Add Book

The Add/Update Book Page is where the user can fill up details of the book they want to sell and upload an image of the book. The title, genre, author, condition, volume, image, and contact details will be asked from the user in order for the book to be listed unto the website.

View Book Details Page

Turtles All The Way Down

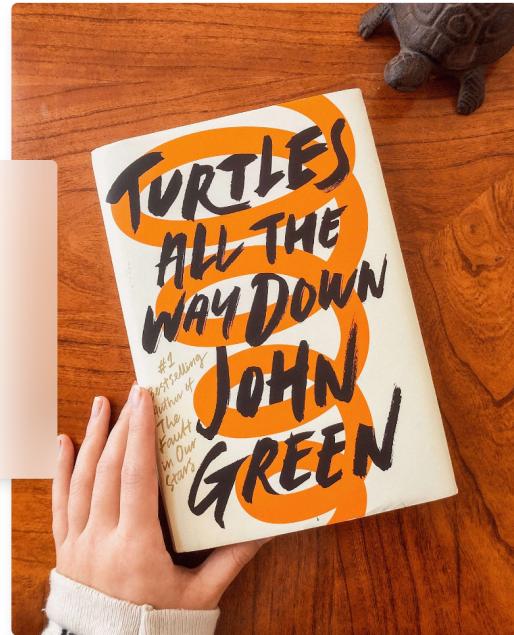
Condition: Good as new

Fiction Romance

Very nice plot

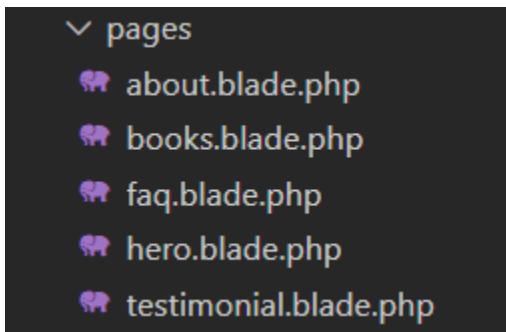
Contact Details for Transaction

- Email: toffer_giganto@yahoo.com
- Website: johngreen.com
- Phone: 09457955547

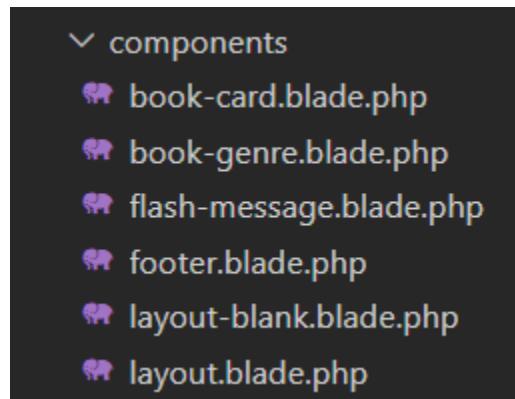


The View Book Details page shows additional details that were not shown in the Community Books Page, the page will also show details from the user for transaction purposes, this includes the email address of the user, website of the book, and phone number of the user.

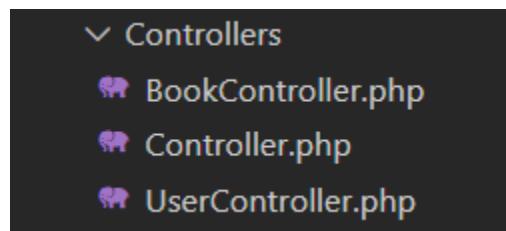
V. Code File Functionalities



The pages folder contains the PHP files that are responsible for the formatting and functions of the pages of the website.



The components folder contains the PHP files that have the main layout for the website and retrieves data from the MySQL Database.



The controller folder contains the PHP files that operate the Create, Read, Update, and Delete functions of data from the database. It is also where data is retrieved from MySQL.

VI. Contribution

Activity	Member(s)
Video Demo	Kristoffer John Giganto
Documentation	Kayla Plazo and Odhrey Lao
Register/Login UI	Kayla Plazo and Kristoffer Giganto
Database Configurations and Setup	Kristoffer Giganto
Home Page	Mateo Gigante
Menu Page	Kayla Plazo and Odhrey Lao

VII. References

1. <https://laravel.com/docs/10.x>
2. Youtube Demo Link: <https://youtu.be/5TH9kjgWF2s>