



Summer Internship - PC649

CustomEBook

May 2022 - July 2022

Guide - Prof. Manish Khare

Submitted by:-

Janvi Bhatt 202112055

Index

1.	Introduction	3
2.	Functional and Non-Functional Requirements	4
3.	Process Model	5
4.	Design	6
5.	Coding	8
6.	Testing	9
7.	Snapshots	12
8.	Summary	14

1. Introduction

CustomEbook is a pure Consumer Based Application which serves various features to its consumers.

It aims to enable the shoppers to visit the application from the comfort of their homes and shop as they sit in front of the phone. Consumers can buy a variety of books, of different genres. People choose to conduct shopping online because of the convenience, and to provide such convenience CustomEbook provides EBooks through which customers need not to be worried about the product delivery.

In fact, CustomEbook also furnish the cost free books, so that people can download the books without paying a single penny.

2. Functional Requirements

1. **Registration** : Enables the user to register themselves in the application to get access to the system.
2. **Login** : Enables the user to login into the system.
3. **Manage Profile** : Enables the user to manage their profile details like, mobile number, email address and many more.
4. **Change Password** : This helps the user to reset their password.
5. **View Home** : Here the user can have an overall view of the system.
6. **View Categories** : There are a lot of categories that CustomEbooks provide, the users can view a list of categories throughout.
7. **View New Arrivals** : Users are able to view the newly added books in the system.
8. **View Book Details** : To know more about the book, users can have a look at the book details.
9. **Buy Book** : This enables the user to buy books of their choice.
10. **View Free Books** : Users are able to view the cost free books which CustomEbooks provide.
11. **Download Free Books** : Enables users to download the free books directly from the system.
12. **BookMark** : Users can bookmark for the later use accordingly.
13. **View BookMark** : Also users can view their bookmarks.
14. **Logout** : Enables users to logout themselves from the system.

Non-Functional Requirements

1. **Availability** : The application is available 24/7 to the users, they can use it or can access it anytime.
2. **Security** : To provide a secured environment, the system does check the credentials, also does not let unauthorized users have access to the system.

3. Process Model

To build this project successfully, an Incremental Process Model is followed.

The perks and few more reasons to opt this process model are as follow,

- a) It divides the development into submodules.
- b) By this model one can make sure that none of the modules are missed which means 100% of the objectives are covered.
- c) It gets easier to test the developed system during the small iterations.
- d) The model is less costly when it comes to changing the scope and requirements.
- e) Risky modules can be identified and be handled carefully in the iterations.

Different phases of this model.

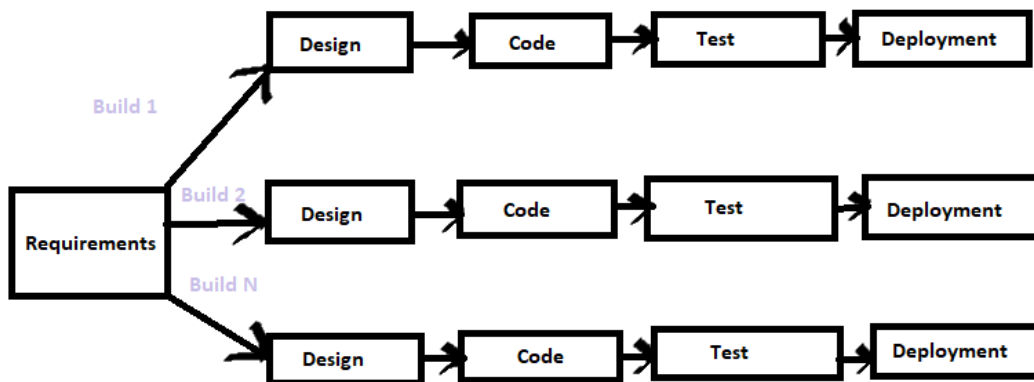
Requirement Analysis : Tries to identify the maximum number of the requirements.

Design : Once the requirements are identified for a specific iteration, the design phase begins to show how the system will be developed.

Code : Coding is performed to achieve the purpose of the requirements, without any hard codes and bugs.

Test : This is the phase where the developed modules will be tested.

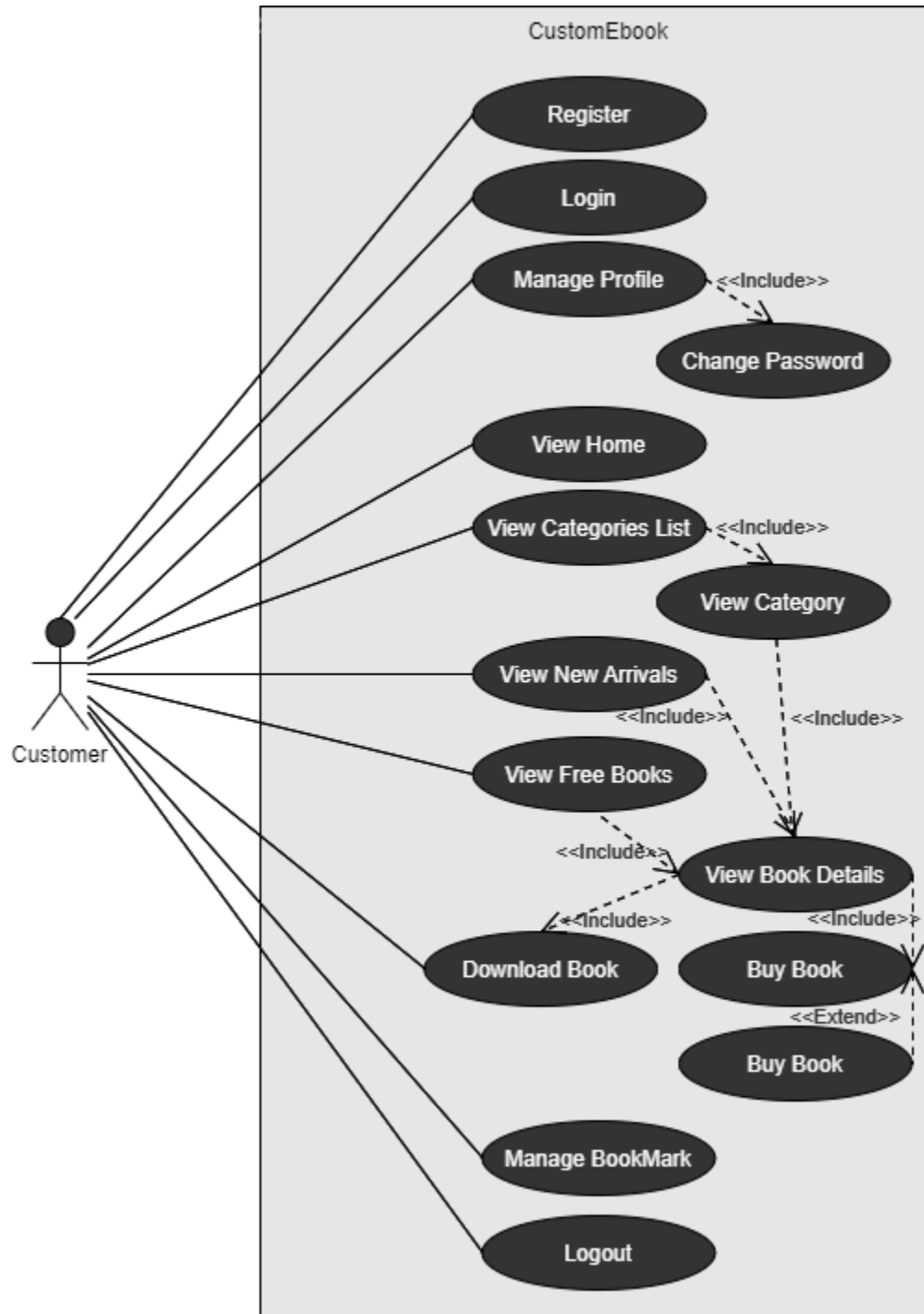
Deploy : As the system is developed which meets all the requirements, further the system goes for the deployment.



Incremental Model

4. Design

Use Case Diagram

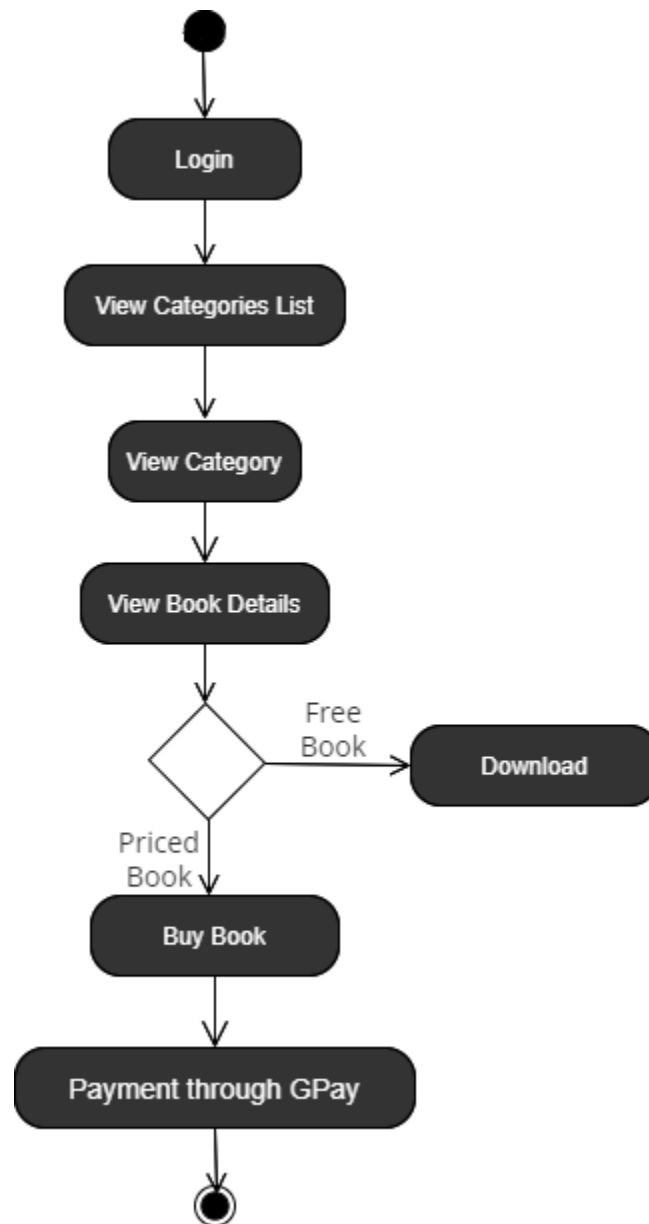


Activity Diagram

1.Add BookMark



2.Buy Book



5. Coding

- Java is used as the core language.
- PHP API is used for data handling.
- 000webhost is used for the backend.

Used Google Pay API for the successful money transaction from the system.

```
public static String GPAY_Package_Name = "com.google.android.apps.nbu.paisa.user";

amt.setText(Amount);
uId.setText("jb.j*****");
pname.setText("E Book");
Note.setText("E Book! Thank You For Payment!!");
```

6. Testing

Unit Testing

Test Scenarios

TS ID	Test Scenario	Description	Max Test Cases	status
CEB1_01	Registration	Registration Allows to get access into the system	4	complete
CEB1_02	Login	Login scenario will check If the user is able to access the system successfully or not.	3	complete

Test Cases : Registration

Test Case Stage		UNIT TEST					
Test Scenario Name		Registration			OS	Android	
Test Scenario ID		CEB1_01	Total Test Cases	6	Created By	Janvi Bhatt	
Module Name		Users - Registration			Tested By	Janvi Bhatt	
Execution Date		15/08/22	Status	Completed	Priority		HIGH
TC ID	Test Case	Pre-condition	Test Data	Expected Output	Actual Output	Post Condition	Status
TC01	Null data	No such	Null	Error message	Error message	redirect to same	Valid
TC02	Invalid email	Valid Data	abc@mail.com	Error message	No message	redirect to same	Invalid
TC03	Short password	Valid Data	Ab1	Error message	Error message	redirect to same	Valid
TC 04	Short Phone number	10 Digit number	8181	Error message	Error message	redirect to same	Valid

Test Cases : Login

Test Case Stage		UNIT TEST					
Test Scenario Name		Login			OS	Android	
Test Scenario ID		OASRS1_02	Total Test Cases	4	Created By	Janvi Bhatt	
Module Name		Users - Login			Tested By	Janvi Bhatt	
Execution Date		15/8/2022	Status	Completed	Priority		HIGH
TC ID	Test Case	Pre-condition	Test Data	Expected Output	Actual Output	Post Condition	Status
TC01	Null Data	No such	null	Error message	Error message	resirect to same	Valid
TC02	Non existing email	Credentials	a@gmail.com	Error message	Error message	resirect to same	Valid
TC03	invalid email	Credentials	janvigmail.com	Error message	Error message	resirect to same	Valid
TC04	invalid password	Credentials	janvi	Error message	Error message	resirect to same	Valid

Postman Testing

HomeWorkspacesAPI NetworkExplore

Search Postman

Invite

Upgrade

Be the first to use Postman V10's new features: Native Git integration, Postman for gRPC, and Postman CLI.

Join WaitlistLearn More

OverviewGEThttps://customebook.000

https://customebook.000webhostapp.com/finalapi/FetchorderBook.php?id=3&book_name=Introduction to Algorithm&book_url=https://ebook1sql.000webhostapp.com/Boo...

Save

GEThttps://customebook.000webhostapp.com/finalapi/FetchorderBook.php?id=3&book_name=Introduction to Algorithm&book_url=https://ebook1sql.000webhostapp.com/Books/Busi

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	id	3			
<input checked="" type="checkbox"/>	book_name	Introduction to Algorithm			
<input checked="" type="checkbox"/>	book_url	https://ebook1sql.000webhostapp.com/Books/Business/your-mone...			
<input checked="" type="checkbox"/>	book_img	https://customebook.000webhostapp.com/finalapi/bookcover/algor...			
<input checked="" type="checkbox"/>	book_desc	This title covers a broad range of algorithms in depth, yet makes t			
<input checked="" type="checkbox"/>	book_category	Coding			
<input checked="" type="checkbox"/>	by_name	Thommas			
	Key	Value	Description		

BodyCookiesHeaders (9)Test Results

Status: 200 OKTime: 2.75 sSize: 676 BSave Response

OnlineFind and ReplaceConsoleCookiesCapture requestsBootcampRunnerTrash

HomeWorkspacesAPI NetworkExplore

Search Postman

Invite

Upgrade

Be the first to use Postman V10's new features: Native Git integration, Postman for gRPC, and Postman CLI.

Join WaitlistLearn More

OverviewPOSThttps://customebook.

https://customebook.000webhostapp.com/finalapi/AddOrder.php?Book_name=Introduction to Algorithm&Book_url=https://ebook1sql.000webhostapp.com/Books/Business/...

Save

POSThttps://customebook.000webhostapp.com/finalapi/AddOrder.php?Book_name=Introduction to Algorithm&Book_url=https://ebook1sql.000webhostapp.com/Books/Business/your-r

Send

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

Cookies

Query Params

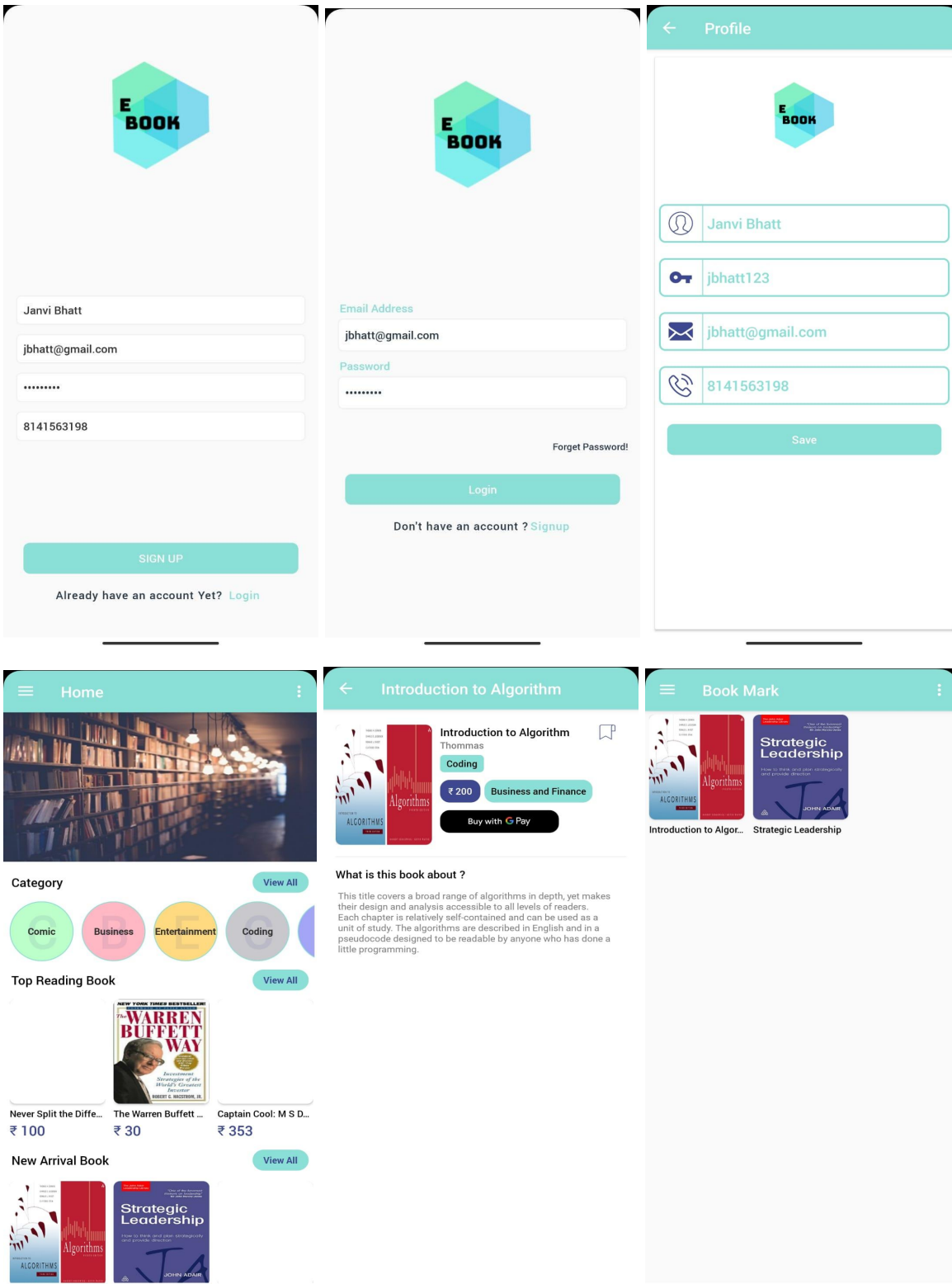
	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	Book_name	Introduction to Algorithm			
<input checked="" type="checkbox"/>	Book_url	https://ebook1sql.000webhostapp.com/Books/Business/your-mone...			
<input checked="" type="checkbox"/>	Book_img	https://customebook.000webhostapp.com/finalapi/bookcover/algor...			
<input checked="" type="checkbox"/>	Book_desc	This title covers a broad range of algorithms in depth, yet makes t			
<input checked="" type="checkbox"/>	Author	Thommas			
<input checked="" type="checkbox"/>	Book_category	Coding			
<input checked="" type="checkbox"/>	u_name	Janvi Bhatt			
<input checked="" type="checkbox"/>	u_id	10			
<input checked="" type="checkbox"/>	u_email	jbhatt@gmail.com			
<input checked="" type="checkbox"/>	Total_pay	200			
	Key	Value	Description		

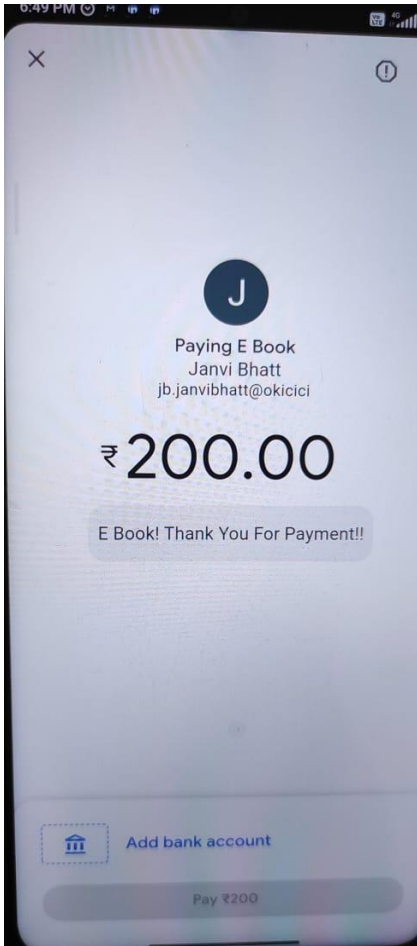
BodyCookiesHeaders (9)Test Results

Status: 200 OKTime: 1512 msSize: 1.74 KBSave Response

OnlineFind and ReplaceConsoleCookiesCapture requestsBootcampRunnerTrash

7. SnapShots : [Github link](#)





8. Summary

After implementation of this application, it becomes easier for the book readers to get their admired books very easily. All the features provided in the system are created by keeping in mind, the need for any user while buying the product.

This project helped to learn how to work with various API also learnt POSTMAN testing.