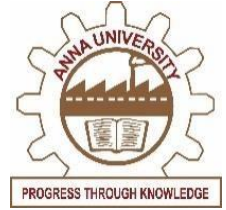




BOOK FINDER

PROJECT-II REPORT



Submitted by

REG NO

NAME

61072111911

SANJAY M

Under the guidance of

Dr. S. Selvi M.E.,Ph.D.,

Associate Professor (Sr. Gr),

Department of Computer Science and Engineering

GOVERNMENT COLLEGE OF ENGINEERING

(AUTONOMOUS)

BARGUR, KRISHNAGIRI - 635 104.

(Affiliated to Anna University, Accredited by NAAC with 'B' Grade)

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2023

**GOVERNMENT COLLEGE OF ENGINEERING
(AUTONOMOUS)**

BARGUR, KRISNAGIRI-635 104.

Department of Computer Science and Engineering

BONAFIDE CERTIFICATE

Certified that this project titled

“BOOK FINDER” is the bonafide work of SANJAY M (61072111911) who carried out the mini project work under my supervision.



Dr. S. SELVI, M.E., Ph.D.,

SUPERVISOR

Associate Professor (Sr. Gr),
Department of CSE,
Govt. College of Engineering,
Bargur-635 104.

DR.J.NAFEESA BEGUM, M.E.,Ph.D.,

HEAD OF THE DEPARTMENT

Professor,
Department of CSE,
Govt. College of Engineering,
Bargur-635 104.

Submitted for the Project Viva Voce Examination held on_____

INTERNAL EXAMINER

EXTERNAL EXAMINER

ACKNOWLEDGEMENT

First and Foremost, praises and thanks to the God, the Almighty for showers of blessings throughout our beautiful life journey. We are extremely grateful to our parents for their love, prayers, caring and sacrifices for educating and preparing us for our future.

We express our sincere gratitude thanks to our respected Principal-in-Charge **Dr.R.VIJAYAN, M.E., Ph.D.**, and our respected Head of the Department of Computer Science and Engineering **Dr. J.NAFEESA BEGUM, M.E., Ph.D.**, for giving us the opportunity to display our professional skills through this project.

We are again greatly thankful to our project guide **Mrs.SELVI M.E.,Ph.D.**, Department of Computer Science and Engineering for his valuable guidance and motivation which helped us to complete this project on time.

We thank all **our teaching and non-teaching staff members of the Computer Science and Engineering for their passionate support** for helping us to identify our mistakes and also for the appreciation they gave us in achieving our goal.

Also, we would like to record our deepest gratitude to **our parents for their constant encouragement and support** which motivated us to complete our project on time.

SANJAY M (61072111911)

ABSTRACT

The BookFinder project is a website that allows users to search for books online. The project was developed using modern web development technologies such as HTML, CSS and JavaScript. The website is designed to provide an easy and efficient way for users to find books, and read reviews. The BookFinder project is a comprehensive book search engine that queries multiple book databases and returns search results in a simple and easy-to-use interface. Users can search for books by entering keywords, titles. The team also implemented extensive testing and quality assurance procedures to ensure that the application is stable and reliable. The frontend of the application is designed using responsive web design principles to ensure that the application is accessible on desktop . The frontend is user-friendly and easy to navigate, with clear calls to action and simple forms. The search bar is prominently displayed at the top of the page, allowing users to quickly find the books they are looking for. The BookFinder project includes several key components that make it a powerful tool for book lovers and researchers. The search engine queries and returns accurate and relevant results. The application also includes book previews, which allow users to read a sample of the book before making a purchase. Additionally, customer reviews provide valuable feedback on the quality of the book and help users make informed decisions. The website provides additional features such as wishlists and personalized recommendations. Wishlists allow users to save books for later and keep track of books they want to buy. The BookFinder project is an excellent example of modern web development practices and showcases the capabilities of modern web technologies. The website is a powerful tool for book lovers and researchers who need to find books quickly and easily. It is also a great resource for people who want to compare prices and read reviews before making a purchase. In conclusion, the BookFinder project is a comprehensive web-based book search engine that is user-friendly, feature-rich, and responsive. The project demonstrates the capabilities of modern web development technologies and showcases best practices in web development. The application is an excellent tool for book lovers and researchers who need to find books quickly and easily. It is an impressive project that can serve as a model for future web development projects.

TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO
	ABSTRACT	iv
	LIST OF FIGURES	viii
1	INTRODUCTION	1
1.1.	OBJECTIVE	
1.3.	PURPOSE	2
1.4	SCOPE	
1.5.	MOTIVATION	
2	SYSTEM ANALYSIS	3
2.1.	LITERATURE REVIEW	
2.1.1	RESEARCH QUESTIONS	
2.1.2.	HOW TO IMPROVE BOOK FINDING TOOLS	5
2.2	EXISTING SYSTEM	
2.2.1.	DRAWBACK OF EXISTING SYSTEM	
2.3.	PROPOSED SYSTEM	
2.3.1	ADVANTAGES	
2.4	PRESENT WORK OF THE PROJECT	6
2.4.1.	USING THE API	
2.4.2.	CREATING SEARCH SERVICE	
2.4.3.	THE SOLUTION APPROACH	7
2.4.4.	VIEW COMPONENTS.TS	
3	SYSTEM REQUIREMENTS	8
3.1.	HARDWARE REQUIREMENTS	
3.2.	SOFTWARE REQUIREMENTS	
4	PROBLEM DESCRIPTION	14
4.1.	PROBLEM STATEMENT	
4.2.	OVERVIEW OF THE PROJECT	

5	SYSTEM DESIGN	15
5.1.	USECASE DIAGRAM	
5.1.1.	ACTORS IN INVOLVED	
5.1.2.	ADD TO BOOK ITEMS	
5.1.3.	QUERY THE BOOK DATABASE	
5.1.4.	CHECK OUT A BOOK	
5.2.	ACTIVITY DIAGRAM	17
5.3.	INTERACTION DIAGRAM	18
5.4.	STATECHART DIAGRAM	19
5.5.	DEPLOYMENT DIAGRAM	
5.6	INPUT DESIGN	20
5.7	VALIDATION	
5.8	INPUT DESIGN OBJECTIVES	
5.9	OUTPUT DESIGN	
	SYSTEM TESTING	
6		22
6.1.	TESTING & EXPLANATION	
6.1.2.	SOFTWARE TESTING IS CARRIED OUT IN THREE STEPS	
6.2.	MAINTENANCE AND ENVIRONMENT	23
6.2.1.	CORRECTION	
6.2.2.	ADAPTATION	24
6.2.3.	ENHANCEMENT	
6.2.4.	PREVENTION	
6.3.	TESTING OF BOOK FINDER SYSTEM	25
6.3.1.	TESTING OBJECTIVES	
6.4.	TESTING PRINCIPLES	
6.4.1.	WHITE-BOX TESTING	26
6.4.2.	BLACK-BOX TESTING	
6.4.3.	TESTING STRATEGIES	
6.4.4.	TESTING FUNDAMENTALS	

6.4.5.	TESTING INFORMATION FLOW	
6.4.6.	UNIT TESTING	27
6.4.7.	INTEGRATION TESTING	
6.4.8.	SYSTEM TESTING	
6.5.	ACCEPTANCE TESTING	
6.6.	TEST CASES	28
7	CONCLUSION	29
7.1.	CONCLUSION	
7.1.1.	FUTURE SCOPE	
	APPENDIX 1- SOURCE CODES	30
	APPENDIX 2 - SCREENSHOTS	
8	REFERENCES	41
8.1.	BOOKS & WEBSITES REFERED	

FIGURE NO	FIGURE NAME	PAGE NO
Figure 5.1.1.	USE-CASE DIAGRAM	16
Figure 5.2.1.	ACTIVITY DIAGRAM	17
Figure 5.3.1.	SEQUENCE DIAGRAM FOR USER	18
Figure 5.4.1.	STATE CHART DIAGRAM	19
Figure 5.5.1.	DEPLOYMENT DIAGRAM FOR PHYSICAL COMPONENT OF A SYSTEM	
Figure A.2.1.	HOME PAGE	38
Figure A.2.2.	SEARCHING THE BOOK	
Figure A.2.3.	THE BOOKS WILL BE LIST OUT	39
Figure A.2.4.	LIST OUT FEW SOME BOOKS	
Figure A.2.5	VIEW THE BOOKS REVIEW PRICE,BUY THE BOOK HISTORY AND LIBRARY	40
Figure A.2.6	VIEW THE BOOK IN PDF FORMAT	