

**SICA S.S. SCHOOL  
SCH 54**



**COMPUTER SCIENCE  
INVESTIGATORY PROJECT  
COMIC BOOK STORE**

**SESSION: 2018-19**

**Submitted to-  
Mrs Rajini Upreti**

**Submitted by-  
Mohammed Akbar**

# **CERTIFICATE**

**This is to certify that Mohammed Akbar is a student of class XII B appearing for All India Senior Secondary Certificate Examination, has successfully completed the research on the project entitled Comic Bookstore under the guidance of Mrs Rajini Upreti during session 2018-19 in the partial fulfillment of Computer Science(C++) practical examination. It may be accepted as a partial fulfillment of the particular course.**

**Roll Number :**

**Internal Examiner**

**External Examiner**

**School Seal**

**Principal**

# **ACKNOWLEDGMENT**

**I would like to sincerely and profusely thank my project guide Mrs Rajani Upreti for guiding me through the course of the project. Her positive advice and her constant motivation have been responsible for the successful completion of the project.**

**My sincere thanks to Mr Madhukar Pawar, our Principal sir, for his coordination in extending every possible support for the completion of this project.**

**I also thank my parents for their motivation at every step of the stairs and for enduring me during the projects' experiment phase. I wish to thank my classmates for their timely help.**

**Finally, I want to thank all the people who helped directly or indirectly toward the completion of this project in the time frame.**

# **C++**

**C++ is a general-purpose programming language. It has imperative, object-oriented and generic programming features while also providing facilities for low-level memory manipulation.**

**It was designed with a bias toward system programming and embedded resource-constrained and large systems with performance, efficiency, and flexibility of use as its design highlights. C++ has also been found useful in many other contexts with key strengths being software infrastructure and resource-constrained applications including desktop applications, servers (eg. e-commerce, web search, or SQL servers), and performance-critical applications (eg. telephones or space exploration probes).**

**C++ is regarded as a middle-level language as it comprises a combination of both high and low-level language features.**

**C++ was developed by Bjarne Stroustrup starting in 1979 at Bell Labs in Murray Hill, New Jersey, as an**

enhancement to the C language and originally named it C with Classes but later it was renamed C++ in 1983.

## **OBJECT-ORIENTED PROGRAMMING**

C++ fully supports object-oriented programming including the four pillars of object-oriented development:

→Encapsulation

→Abstraction

→Inheritance

→Polymorphism

## **STANDARD LIBRARIES**

Standard C++ consists of three important parts:

→The core language giving all the building blocks including variables, data types, and literals, etc.

→The C++ Standard Library giving a rich set of functions manipulating files, strings, etc.

→The Standard Template Library(STL) giving a rich set of methods of manipulating data structures, etc.

# **FUNCTIONS**

**A function is a group that together performs a task. Every C++ program has at least one function, which is main(), and most of the trivial programs can define additional functions.**

**You can divide up your code into separate functions. How you divide up yours is up to you. But logically the division is such that each function performs a specific task.**

**A function declaration tells the compiler about a functions' name, return type and parameters. A function definition provides the actual body of the function.**

**The C++ Standard Library provides numerous built-in functions that your program can call.**

# **CLASSES & OBJECTS**

**The main purpose of C++ programming is to add object orientation to the C programming language and classes are the central feature of C++ that supports object-oriented programming and are often called user define types.**

**A class is used to specify the form of an object and it combines data representation and methods for manipulating that data into one neat package. The data and function within a class are called members of the class.**

## **C++ Class Definitions**

**When you define a class, you define a blueprint for a data type. A class definition starts with keyword class followed by the class name and the class body, followed by a pair of curly braces. A class definition must be followed either by a semicolon or a list of declarations.**

# **INTRODUCTION**

**Bookselling is the commercial trading of books which is the retail and distribution end of the publishing process. Bookstores involve managing speed that is why the recommended action is the computerization of the present system. This computerized system monitors the information in an effective manner.**

**The application certainly has some striking advantage over the manual system. There won't be any paperwork and the information will be updated as soon as it changes.**

**Further improvements have made it quite easier now in contrast to the previous manual system.**

**Through this system, the entire procedure will take less time than the manual system, achieving more work done.**



# OUTPUT

BOOKSHOP  
MANAGEMENT  
SYSTEM

MADE BY : Mohammed Akbar AND Athak Shrivastav  
SCHOOL : SICA S.S. SCHOOL

|Press | ENTER | for MAIN MENU|  
|\_|

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## MAIN MENU

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- 01. ADD NEW BOOKS
- 02. SEARCH BOOKS
- 03. ALL BOOKS LIST
- 04. DELETE BOOKS
- 05. UPDATE BOOKS
- 06. EXIT
- 07. RETURN TO INTRO

Select your option (1-7) \_

```
Enter the BOOK ID : 100
```

```
Enter the name of the BOOK : test book 1
```

```
Enter the category : SCIFI
```

```
Enter the price : Rs. 140
```

```
Book added...
```

## New Book

```
Enter the Book ID. : 100
```

### BOOK DETAILS

```
Book ID : 100
```

```
Book Name : test book 1
```

```
Category : SCIFI
```

```
Price : 140
```

## Book Searching

### ALL BOOKS LIST

BOOK ID	NAME	Type	Price
100	test_book_1	SCIFI	199
101	Avengers #1	SCIFI	140
102	Avengers #2	SCIFI	140
103	Avengers #3	SCIFI	140
104	Avengers #4	SCIFI	140
105	Avengers #5	SCIFI	140
106	Avengers #6	SCIFI	199
107	Avengers #7	SCIFI	199
108	Avengers #8	SCIFI	199
109	Avengers #9	SCIFI	220
110	Avengers #10	SCIFI	220
201	Star Wars #1	THRILL	280
202	Star Wars #2	THRILL	280
203	Star Wars #3	THRILL	280
204	Star Wars #4	THRILL	310
205	Star Wars #5	THRILL	280
206	Star Wars #6	THRILL	310

### Comics List & Book Removal

Enter the Book ID. : 100

Book Deleted...\_

Enter the Book ID. : 100

Book ID : 100

Book Name : test book 1

Category : SCIFI

Price : 140

Enter the New Details of Book

Book ID : 100

New Name of Book Name : test\_book\_1

New Category : SCIFI

New Price : 199

Book Updated...

## Updating Book

Thanks for using bookshop management system

**Exit**