**Certificate**

This is to certify that the “**Student Report card Maker**” is made by-

**NAME** Roll No- **XXXX**

Under my supervision and Guidance. This is their authentic work for the partial fulfillment of computer project work under C.B.S.E. computer Practical Examination for the session 2019-20.

(TEACHER NAME)

**Acknowledgement**

This is the right time to express our gratitude towards our teachers/ mentor for their constant support and guidance. These are only few words which we have written here to show our respect to our teachers.

Though they will not among us after this session but their lesson will always guide us in future also.

This project is ours , but it is their inspiration and constant push that we are now able to compile the whole knowledge we learnt through out 11 & 12, in the form of this project.

Last but not least mam we would love to say thank you.

Yours Sincerely

[STUDENT NAME]

**Index**

1. About Student Report card Maker
2. Hierarchical Diagram of Student report card
3. Data required as input
4. Header files used
5. Report required as output
6. Classes and their functions
7. Hardware and Software requirement
8. Project Listing
9. Output Screens
10. Reference

**About Student Report card Maker**

Student report card maker is a simple computer program designed to help teachers to generate students report card after every session.

The whole program is designed in this way that you can expand it up to any level. Initially it is used to feed students information and marks obtained in five subject.

This information is recorded in a binary file “report.dat” , so that this recorded information can be used later on at any stage.

Modification , deletion and searching , reporting facility is given in this project for easy management.

This program is fact and accurate, since it is written in one of the oldest programming language ie C++.

Hierarchical diagram of Project

Data Required as Input

|  |  |
| --- | --- |
| * **ADMNO** | TO STORE STUDENT ADMISSION NO. |
| * **NAME** | NAME OF THE STUDENT |
| * **FATHER NAME** | NAME OF FATHER |
| * **CLASS AND SECTION** | STORE CLASS AND SECTION |
| * **MARKS OBTAINED** | MARKS OBTAINED IN 5 SUBJECT |
| * **TOTAL MARKS** | TOTAL MARKS |
| * **PERCENTAGE** | PERCENTAGE OF STUDENT |
| * **GRADE** | GRADE OF STUDENT |

# Criteria for Grade calculation

|  |  |
| --- | --- |
| **PERCENTAGE/MARKS** | **GRADE** |
| >=95 | A+ |
| <95 AND >=90 | A |
| <90 AND >=80 | B+ |
| <80 AND >=70 | B |
| <70 AND >=60 | C+ |
| <60 | C |

Output Required

* Single student report card
* Class wise student report card
* Session wise result
* Search - admno
* Search – class & section
* Search – name class & section

Classes & Their function

class passw

{

char user[20];

char pass[20];

public:

void input();//TO INPUT USER NAME AND PASSWORD

void disp() //TO DISPLAY LOGIN INFO

{

cout<<"\n"<<user<<"\t\t\t"<<pass<<"\n";

}

};

class report {

private :

int admno;

char name[30];

char fname[30];

int std;

char section;

int phy;

int chem;

int math;

int comp;

int eng;

int total;

float per;

char grade[3];

public :

void main\_menu(); //function to display main menu

void search\_menu(); // function to display search menu

void report\_menu( ); // function to display report menu

int m\_menu();

void read\_data( ); // function to read all the data members from the

//keyboard

void calculate(); // function to calculate total marks, per and grade

void disp\_data(); // function to display data members on the screen

void add\_record (); // function to add student record in a data file

void del\_record (); //function to delete a record from the data file

void modify\_record( ); // Function to modify a record in a data file

void modify\_marks();

void search\_name( ); //function to read student name and search the Information in the given database file, if it is

// available then display student information otherwise display “ Name does not exist”

void search\_admno( ); // function to read student admno and search the Information in the given database file, if it is

// available then display student information otherwise display “ Name does not exist”

void search\_class(); // function to read student admno and search the Information in the given database file, if it is

// available then display student information otherwise display “ Name does not exist”

void single\_report\_card();

void report\_single(); // function to show single student report card

void report\_class(); // function to show class report of a single class

void report\_school(); // fucntion to show class wise report of whole

// school

};

Hardware & software requirement

Hardware required

* 4GB RAM
* INTEL CORE 3 AND ABOVE PROCESSOR
* Mouse
* Keyboard

Software Requirement

* Operating System – Windows or any other supported
* C++ Compiler
* IDE ( Integrated Development Environment ) – TURBO C++

header files used

|  |  |
| --- | --- |
| **Name of the header file used** | **Function used** |
| 1. fstream.h | * open() * close() * read() * write() |
| 1. conio.h | * clrscr() * grtch() |
| 1. string.h | * strcpy() * strcmp() |
| 1. stdio.h | * gets() |
| 1. stdlib.h | * exit() |

Reference

1. Computer Projects

By –

1. Computer science text book

By Sumita Arora

1. Online reference
   * + 1. Stackoverflow.com
       2. Opensource.org
       3. Google.com