

**THE NATIONAL COLLEGE**

Autonomous

Jayanagar, Bangalore-560070

**PROJECT REPORT**

**ON**

**MEETUP**

**By**

**SAMARTHA L S 16NCJB643**

**LAVANYA R 16NCJB602**

**Under the guidance of**

**Prof. DEEPIKA S**

**MeetUp** ​project report submitted in partial fulfilment of the requirements of

**V Semester BCA**​, **THE NATIONAL**

**COLLEGE JAYANAGAR.**



**THE NATIONAL COLLEGE**

Autonomous

Jayanagar, Bangalore-560070

**CERTIFICATE**

This is to certify the project report titled “**MeetUp**”​ is a bonafide record of work done by **SAMARTHA L S (16NCJB643)** and **LAVANYA R (16NCJB602)** of **THE NATIONAL COLLEGE** ​, Jayanagar, Bengaluru, in partial fulfilment of the requirements of **V Semester BCA** during the year ​**2018-2019.**

**HEAD OF THE DEPARTMENT PROJECT GUIDE**

Examiners: ​Examination Centre

1. The National College,

Jayanagar.

2. Date of Examination:

**ACKNOWLEDGEMENT**

**MeetUp** ​is the project of many hands from the team. Our tribute for the successful completion of the project goes to all those who helped through their constant guidance and encouragement. The satisfaction that accompanies the success would be incomplete without thanking person who made it.

We are thankful to our beloved principal​ ​**Dr.B.R.PARINITHA**​, who encourage us to come with new and innovative ideas and for providing the environment with all facilities for completing the project.

We are also grateful to our Head of the Department ​**Prof. SHALINI C** and project guide​ ​**Prof. DEEPIKA S,**​ lecturer Department of computer science for her valuable guidance and constant support during our project development.

We extend our thanks to all our teaching staffs of department of computer science. Finally, we thank one and all who helped us directly and indirectly for the completion of our project.

**INDEX**

**CONTENT PAGE NO**

1. Meet Up 05-07
   1. Abstract 05
   2. Objective and Scope 05
   3. Existing System 06
   4. Advantage 06
   5. Conclusion 06
   6. Software & Hardware Requirement 07
2. Design Specification 08-10
   1. Modular Description 08
   2. Data-Base Diagram 10
3. Software Tools 11-13
   1. C#.NET MVC 11
   2. Microsoft Sql Server 2017 11
   3. Visual Studio 2017 12
4. List of Tables 14-15
   1. Login 14
   2. Employee Details 14
   3. Status 14
   4. Appointment 14
5. Screen Shots 17-21
6. BIBILOGRAPHY 22

**MEET UP**

**ABSTRACT**

Web application have helped in streamlining many of the tasks we perform on a daily basis and have made our lives easier. In the growing world, there is a need for automation in each and every system as it not only reduces the efforts of the user but also has high accuracy and enhanced efficiency. This application called MEETUP is used to assist us in overcoming problems with employee’s appointments this application is built in such a way that One-On-One appointments are made. In the past, these appointment processes were done manually and because of this there were many instances of overbooking or forgetting to cancel an appointment which could free up the space to schedule another in its place. Booking an appointment in web based has grown in popularity over the past few years. The task sometimes becomes very tedious for employee in manually allotting appointments with their advisers as per their availability. Hence this application is to know various booking slots available and select the preferred date and time by registering where an employee can request, accept and decline the appointments by other employees in an efficient way by sending mail in a single click and also communicates each stage with a mail and can also have a view on their individual cancelled, past and upcoming meetings and appointments can also be rescheduled for changing the time of the booked appointments according to the availability.

**OBJECTIVE AND SCOPE**

The main objective is to focus on various ways through which this web application can be used for the benefit of the companies to book appointments and thereby to enhance transparency and accountability. The aim and objectives of the project is to:

* Provide adequate security on sending personal mail to employee regarding requesting of appointments
* Reduce any attempt of misplacement of data where the details of the employees are hidden and nowhere directly used in entire application, for example Mail ID, Employee Id etc.
* Ease the problems of time slots which provides available slots and preferred date and time to be selected and there is also rescheduling of appointments
* Make data validation easier and faster which makes the data sent to the employees complete, secure, consistent and computerize the system that will ensure prompt and accurate appointments
* Make employees assist appointments in an easy and efficient way where registration and appointments are confirmed by sending or receiving a mail

Provide accurate information for meetings where meetings which are cancelled, upcoming and past can be viewed separately

**EXISTING SYSTEM**

The existing system is paper-based, involving high amount of paper work and man-power requirement. At times, where appointments were taken manually the process may go wrong which may lead to problems like overbooking or forgetting to cancel an appointment at the end of the day or it may even be a mundane job to check a specific record. Even though computerized systems are used in many places, they are not that efficient and are very insecure leading to improper maintenance. So, the current application called MEETUP system procedure is very efficient as it has many features which can overcome the problems faced in the current system. This application is built to assist One-On-One appointments among the employees without any complications, An employee can book an appointment by selecting the preferred time slots and appointments can be requested, cancelled and confirmed by sending mail in a single click and appointments can also be rescheduled to change the timeslots.

**ADVANTAGE**

* Reduces the cost of handling the paper work associated with record keeping and decreases the manpower instead mails are sent for proper communication
* Effective use of time saving where preferred time slots are selected in booking appointments and employees need not wait for their advisers
* The user interface will be completely menu driven, user-friendly and it is fully validated in all the possible ways and helps to reduce server error as it is validated fully in the client end
* The user will not find any difficulties in options field where selecting time slots, sending mails can be done in a single click
* Faster response will be present such as communicating among the employees for booking appointments can be done within some seconds
* It shall also provide view on individual cancelled, past and upcoming meetings for better appointment management system
* It makes easier to send mails for confirmation, requesting and cancelling appointments without any complications and procedures

**CONCLUSION**

An office can handle full-scale computer and computer related resource. MEETUP application which is to assist appointments deals with all the activities done by system such as registration and appointment process where an employee can request, accept and decline the appointments by selecting the time slots of his/her preferred date and time and there is also an option for contacting their advisers directly without booking appointments for simple issues to be clarified.

**SOFTWARE REQUIREMENT**

**Processor :** 2.40 gigahertz (GHz) or faster 64-bit **Operating System :** Windows 10  
**Front End :** Visual Studio 2017 ASP.NET Core MVC 5.2.5 with C#  
**Back End :** SQL Server version 2017

**HARDWARE REQUIREMENT**

**Disk Space :** Minimum of 10 gb   
**RAM :** 4gb or above

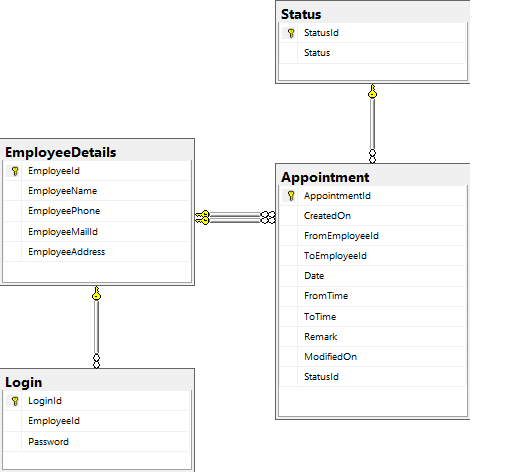
**DEISIGN SPECIFICATION**

**MODULAR DESCRIPTION**

There are ten modules in MEET UP project they are:

1. **Login Form:** Lets the user to authenticate himself to access to the application for book his/her meeting and view their respective meetings.
2. **Dashboard:** Employee Dashboard is a collection of all the view links. It contains all the path for the views, user can access different views by a single click.
3. **Change Password:** This allows the user to change the password of the web application as it is a security requirement.
4. **Logout:** Logout allows the user to release the memory utilized by the software’s data and clears the system memory and ends his/her session and returns back to login form.
5. **Forgot Password:** This option lets the user to reset it password, if the employee forgets his/her password he/she can reset it and the system generates a random password and send a mail to the employee with his new password and the employee can later change password once he is logged in back.
6. **Appoint Meet:** This lets the employee to book an appointment to any of the employees and gives an option to select date, from time and to time and the system checks and validated whether the selected employee is free at that time or not, if he/she is available then the meeting gets reserved and a mail is sent to the selected employee to confirm the meeting which is reserved.
7. **Upcoming Meeting:** This helps the employee to view his/her upcoming accepted and to be accepted meeting which gives an option for the employee to accept or decline the meeting or cancel and reschedule the meeting booked by the logged in employee which displays different options like from employee name, to employee name, date, from time and to time, subject, status and the actions(cancel, reschedule, accept or decline).
8. **Past Meeting:** This lets the employee to view his past meetings with all the required view fields.
9. **Cancelled Meeting**: This lets the employee to view his cancelled meetings which has been cancelled or declined by the employee with all the required view fields.
10. **Write a mail**: This lets the user to communicate with the other employee by a single click by adding subject, body and by selecting the employee name by the drop down and the system sends a mail to the selected employee by attaching the signature and the mail id of the sender from a official mail id of meetup application.

**DATA-BASE DIAGRAM**

****

**INTRODUCTION**

**C# ASP.Net MVC 5**

C# syntax is highly expressive, yet it is also simple and easy to learn. The curly-brace syntax of C# will be instantly recognizable to anyone familiar with C, C++ or Java. Developers who know any of these languages are typically able to begin to work productively in C# within a very short time. C# syntax simplifies many of the complexities of C++ and provides powerful features such as null able value types, enumerations, delegates, lambda expressions and direct memory access, which are not found in Java. C# supports generic methods and types, which provide increased type safety and performance, and iterators, which enable implementers of collection classes to define custom iteration behaviours that are simple to use by client code. Language-Integrated Query (LINQ) expressions make the strongly-typed query a first-class language construct.

ASP.net is very popular framework for developing Web Based Application. ASP.net MVC is based on Model View Controller pattern that makes it more robust, fast, and secure. ASP.net MVC5 is the next generation technology and it is the successor of ASP.net Webforms. There are many benefits of MVC over traditional asp.net .aspx web forms. The MVC project template has been updated to use Bootstrap to provide a sleek and responsive look and feel that you can easily customize. Authentication filters are a new kind of filter in ASP.net MVC that run prior to authorization filters in the ASP.net MVC pipeline and allow you to specify authentication logic per-action, per-controller, or globally for all controllers. Authentication filters process credentials in the request and provide a corresponding principal. Authentication filters can also add authentication challenges in response to unauthorized requests.

MVC abbreviated as:

Model: It is responsible for keeping database operational logic like connecting and retrieving information from database.

View: It is responsible for serving web page user interface to client.

Controller: It keeps all the programming logics

**MICROSOFT SQL SERVER 2017**

Microsoft SQL Server is a [relational database management system](https://en.wikipedia.org/wiki/Relational_database_management_system) developed by [Microsoft](https://en.wikipedia.org/wiki/Microsoft). As a [database server](https://en.wikipedia.org/wiki/Database_server), it is a [software product](https://en.wikipedia.org/wiki/Software_product) with the primary function of storing and retrieving data as requested by other [software applications](https://en.wikipedia.org/wiki/Software_application) which may run either on the same computer or on another computer across a network (including the Internet).

Microsoft markets at least a dozen different editions of Microsoft SQL Server, aimed at different audiences and for workloads ranging from small single-machine applications to large Internet-facing applications with many [concurrent users](https://en.wikipedia.org/wiki/Concurrent_user).

SQL Server 2017 represents a major step towards making SQL Server a platform that gives you choices of development languages, data types, on-premises or cloud, and operating systems by bringing the power of SQL Server to Linux, Linux-based Docker containers, and Windows. This topic summarizes what is new for specific feature areas and includes links to additional details. For more information related to SQL Server on Linux.

SQL Server 2017 includes many new Database Engine features, enhancements, and performance improvements like CLR assemblies, Resumable online index rebuild, Identity cache, Automatic database tuning, New graph database capabilities for modeling many-to-many relationships include new create table syntax for creating node and edge tables, and the keyword MATCH for queries. See Graph Processing with SQL Server 2017.

An sp\_configure option called CLR strict security is enabled by default to enhance the security of CLR assemblies. See CLR strict security. Setup now allows specifying initial temporary database file size up to 256 GB (262,144 MB) per file, with a warning if the file size is set greater than 1GB with IFI not enabled. The modified extent page count column in system tracks differential changes in each database file, enabling smart backup solutions that perform differential backup or full backup based on percentage of changed pages in the database.

SELECT into T-SQL syntax now supports loading a table into a File Group other than the user's default by using the ON keyword. Cross database transactions are now supported among all databases that are part of an Always ON Availability Group, including databases that are part of same instance. New Availability Groups functionality includes cluster less support, Minimum Replica Commit Availability Groups setting, and Windows-Linux cross-OS migrations and testing.

**VISUAL STUDIO 2017**

Visual Studio is a complete set of development tools for building ASP.NET Web applications, XML Web Services, desktop applications, and mobile applications. Visual Basic, Visual C#, and Visual C++ all use the same integrated development environment (IDE), which enables tool sharing and eases the creation of mixed-language solutions. In addition, these languages use the functionality of the .NET Framework, which provides access to key technologies that simplify the development of ASP Web applications and XML Web Services.

Microsoft Visual Studio is an [integrated development environment](https://en.wikipedia.org/wiki/Integrated_development_environment) (IDE) from [Microsoft](https://en.wikipedia.org/wiki/Microsoft). It is used to develop [computer programs](https://en.wikipedia.org/wiki/Computer_program) for [Microsoft Windows](https://en.wikipedia.org/wiki/Microsoft_Windows), as well as [web sites](https://en.wikipedia.org/wiki/Web_site), [web apps](https://en.wikipedia.org/wiki/Web_app), [web services](https://en.wikipedia.org/wiki/Web_service) and [mobile apps](https://en.wikipedia.org/wiki/Mobile_app). Visual Studio uses Microsoft software development platforms such as [Windows API](https://en.wikipedia.org/wiki/Windows_API), [Windows Forms](https://en.wikipedia.org/wiki/Windows_Forms), [Windows Presentation Foundation](https://en.wikipedia.org/wiki/Windows_Presentation_Foundation), [Windows Store](https://en.wikipedia.org/wiki/Windows_Store) and [Microsoft Silverlight](https://en.wikipedia.org/wiki/Microsoft_Silverlight). It can produce both [native code](https://en.wikipedia.org/wiki/Native_code) and [managed code](https://en.wikipedia.org/wiki/Managed_code).

Builds smarter apps, fast such as live architectural validation, help drive DevOps earlier in the development process. In addition, enhancements to popular features, like code navigation, IntelliSense, refactoring, and code fixes, save you time and effort, regardless of language or platform. other aspects of the [software development lifecycle](https://en.wikipedia.org/wiki/Software_development_lifecycle) (like the [Team Foundation Server](https://en.wikipedia.org/wiki/Team_Foundation_Server) client: Team Explorer).

Finds and fix bugs sooner, the entire debugging and test experience has been enhanced to help you find and address issues as early as possible. Features like Live Unit Testing, Exception Helpers, and Run to Click tighten your DevOps loop by reducing regression risks and immediately exposing the root cause of new bugs.

Integrated with the cloud, Built-in tools provide comprehensive integration with all .NET and .NET Core applications, Azure applications and Azure Functions, services, Docker and Windows containers, and more. The experience is so seamless that you’ll feel like you’re working from inside an Azure data center.

Collaborate efficiently, directly manages team projects hosted by any provider, including Azure DevOps, Team Foundation Server, or GitHub. Or use the new Open Any Folder feature to immediately open and work with virtually any code file without a formal project or solution around it.

Visual Studio supports different [programming languages](https://en.wikipedia.org/wiki/Programming_language) and allows the code editor and debugger to support (to varying degrees) nearly any programming language, provided a language-specific service exists. Built-in languages include [C](https://en.wikipedia.org/wiki/C_(programming_language)),[C++](https://en.wikipedia.org/wiki/C%2B%2B) and [C++/CLI](https://en.wikipedia.org/wiki/C%2B%2B/CLI) (via [Visual C++](https://en.wikipedia.org/wiki/Visual_C%2B%2B)), [VB.NET](https://en.wikipedia.org/wiki/VB.NET) (via [Visual Basic .NET](https://en.wikipedia.org/wiki/Visual_Basic_.NET)), [C#](https://en.wikipedia.org/wiki/C_Sharp_(programming_language)) (via [Visual C#](https://en.wikipedia.org/wiki/Visual_C_Sharp)), [F#](https://en.wikipedia.org/wiki/F_Sharp_(programming_language)) (as of Visual Studio 2010) and [TypeScript](https://en.wikipedia.org/wiki/TypeScript) (as of Visual Studio 2013 Update 2). Support for other languages such as [Python](https://en.wikipedia.org/wiki/Python_(programming_language)), [Ruby](https://en.wikipedia.org/wiki/Ruby_(programming_language)), [Node.js](https://en.wikipedia.org/wiki/Node.js), and [M](https://en.wikipedia.org/wiki/MUMPS) among others is available via language services installed separately. It also supports [XML](https://en.wikipedia.org/wiki/XML)/[XSLT](https://en.wikipedia.org/wiki/XSLT), [HTML](https://en.wikipedia.org/wiki/HTML)/[XHTML](https://en.wikipedia.org/wiki/XHTML), [JavaScript](https://en.wikipedia.org/wiki/JavaScript) and [CSS](https://en.wikipedia.org/wiki/Cascading_Style_Sheets). [Java](https://en.wikipedia.org/wiki/Java_(programming_language)) (and [J#](https://en.wikipedia.org/wiki/J_Sharp)) were supported in the past.

**LIST OF TABLES**

**LOGIN**

|  |  |
| --- | --- |
| **NAME** | **DATATYPE** |
| LoginId | int |
| EmployeeId | int |
| Password | nvarchar(25) |

**EMPLOYEE DETAILS**

|  |  |
| --- | --- |
| **NAME** | **DATATYPE** |
| EmployeeId | int |
| EmployeeName | nvarchar(50) |
| EmployeePhone | numeric(10, 0) |
| EmployeeMailId | nvarchar(MAX) |
| EmployeeAddress | nvarchar(MAX) |

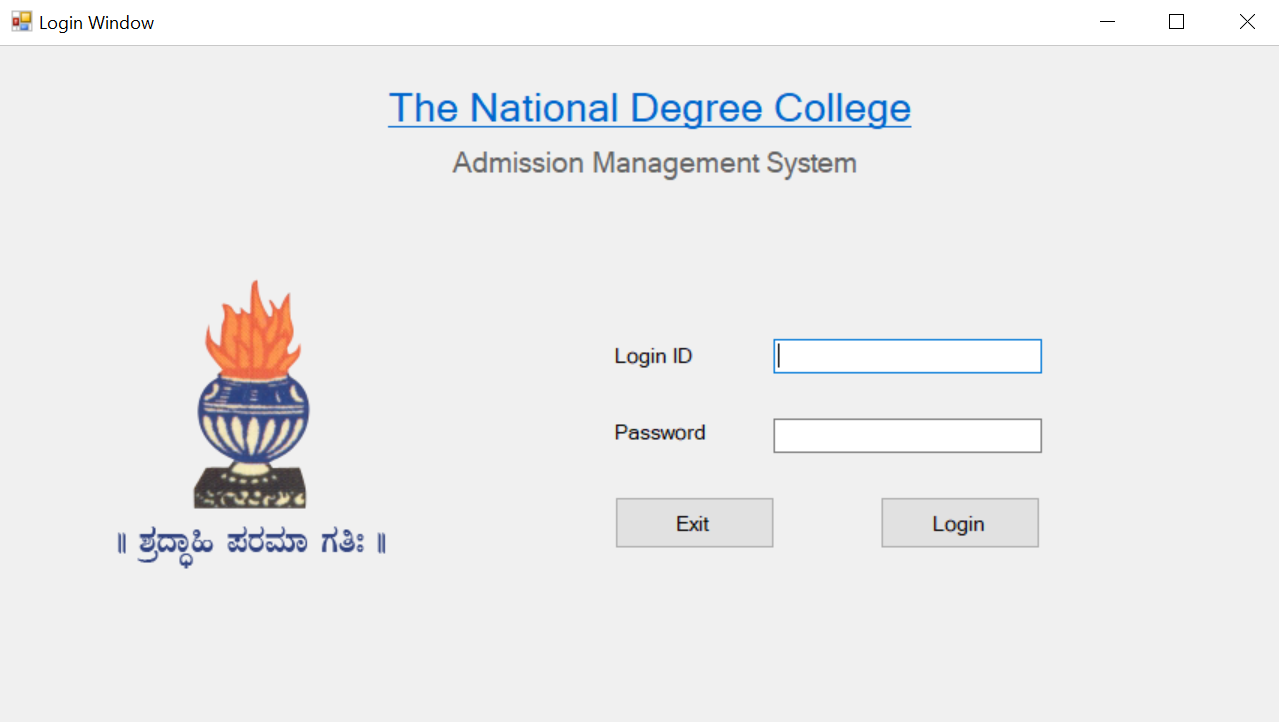
**STATUS**

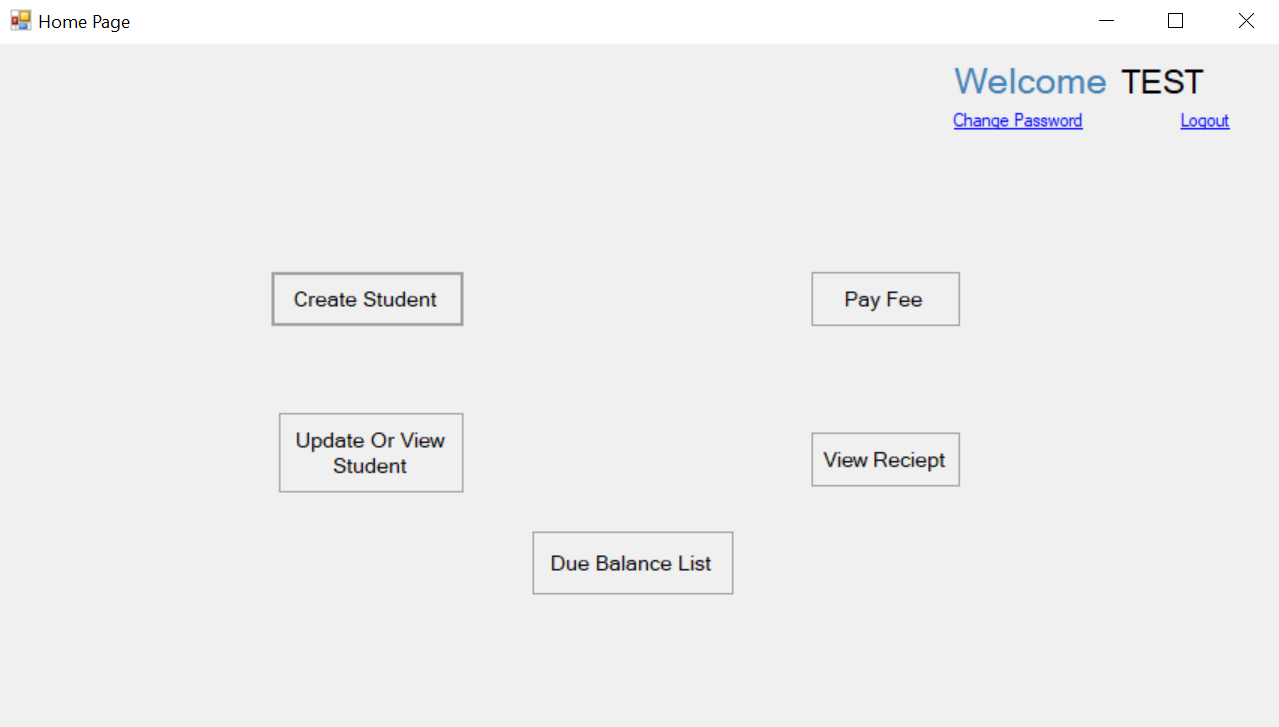
|  |  |
| --- | --- |
| **NAME** | **DATATYPE** |
| StatusId | int |
| Status | nvarchar(25) |

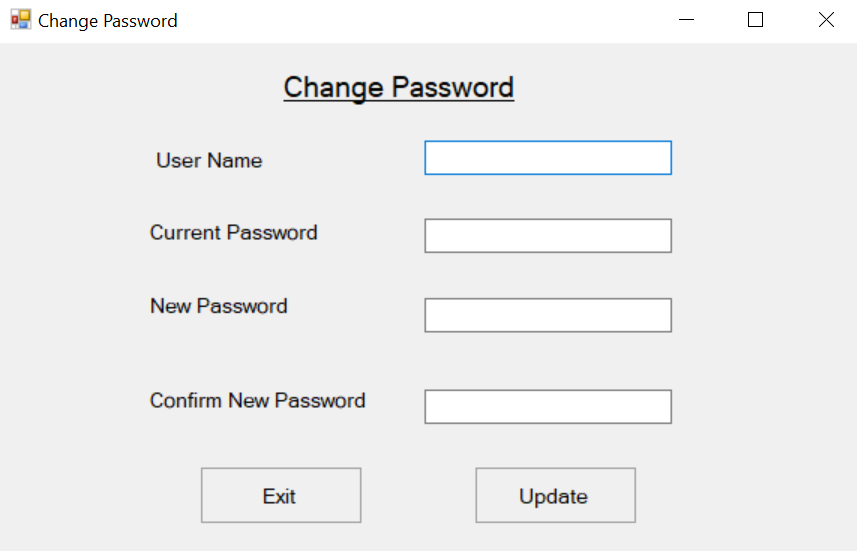
**APPOINTMENT**

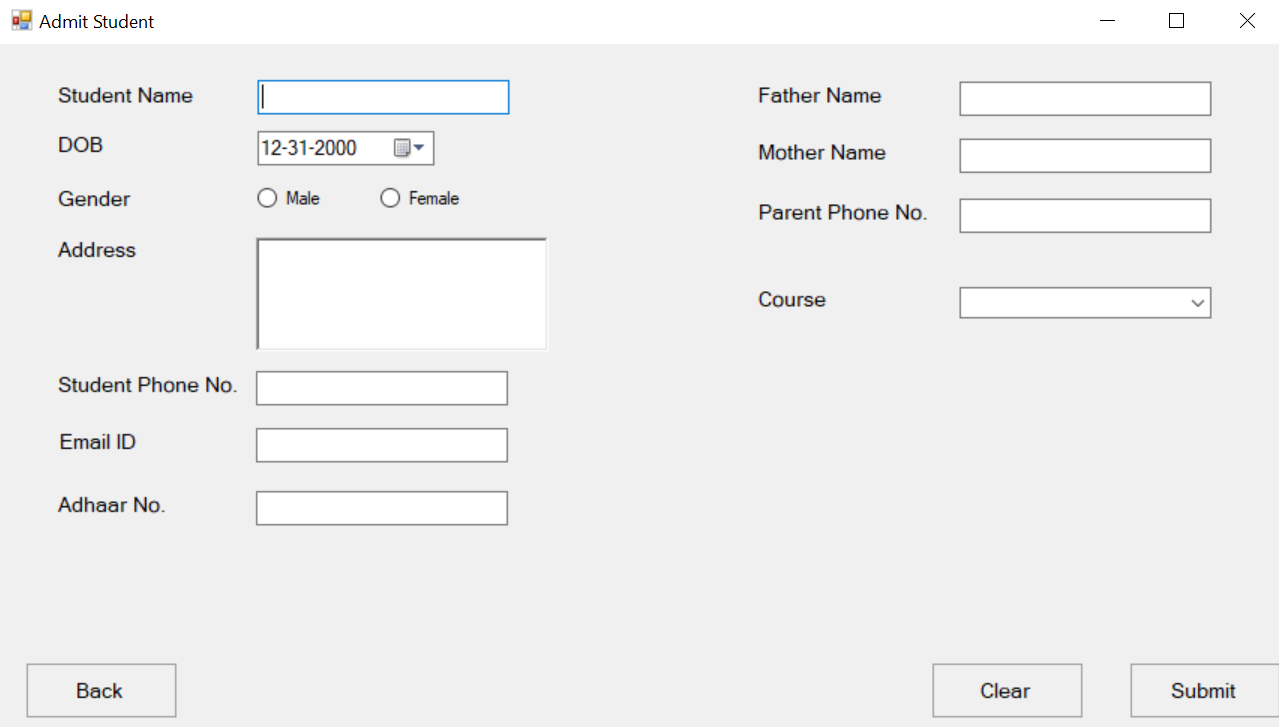
|  |  |
| --- | --- |
| **NAME** | **DATATYPE** |
| AppointmentId | int |
| CreatedOn | smalldatetime |
| FromEmployeeId | Int |
| ToEmployeeId | Int |
| Date | date |
| FromTime | time(7) |
| ToTime | time(7) |
| Remark | nvarchar(100) |
| ModifiedOn | smalldatetime |
| StatusId | int |

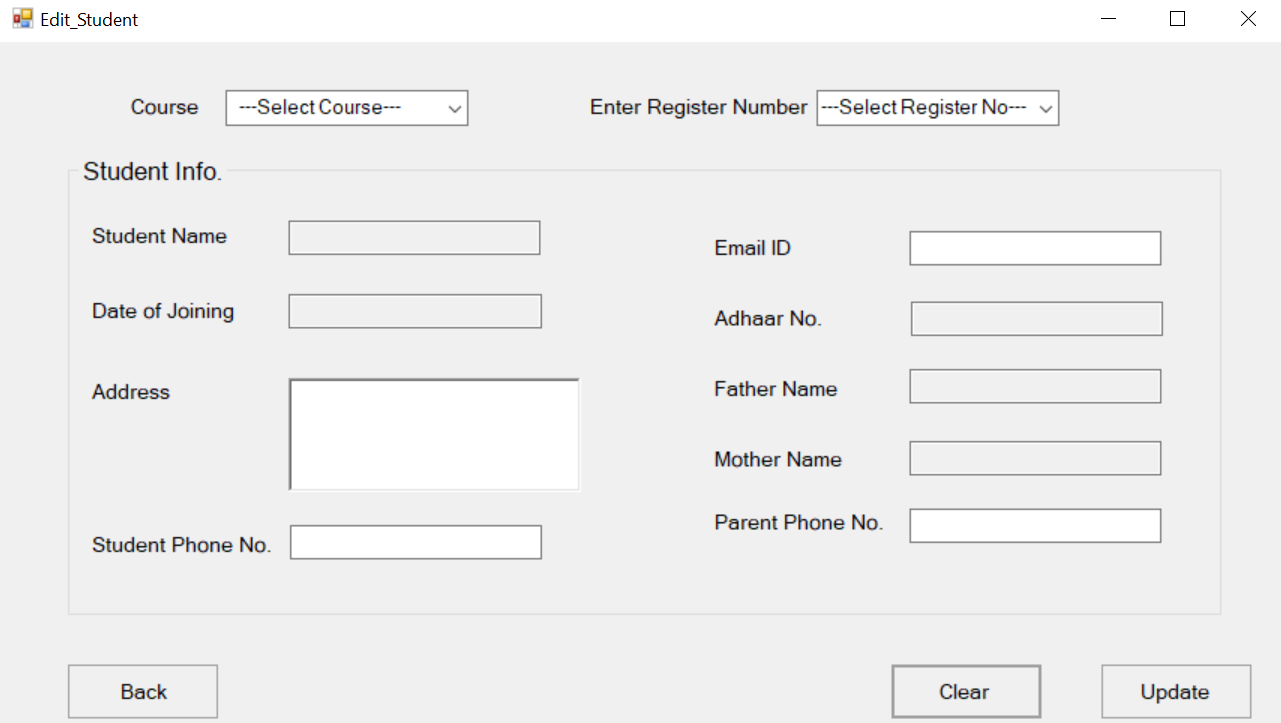
**SCREEN SHOTS**

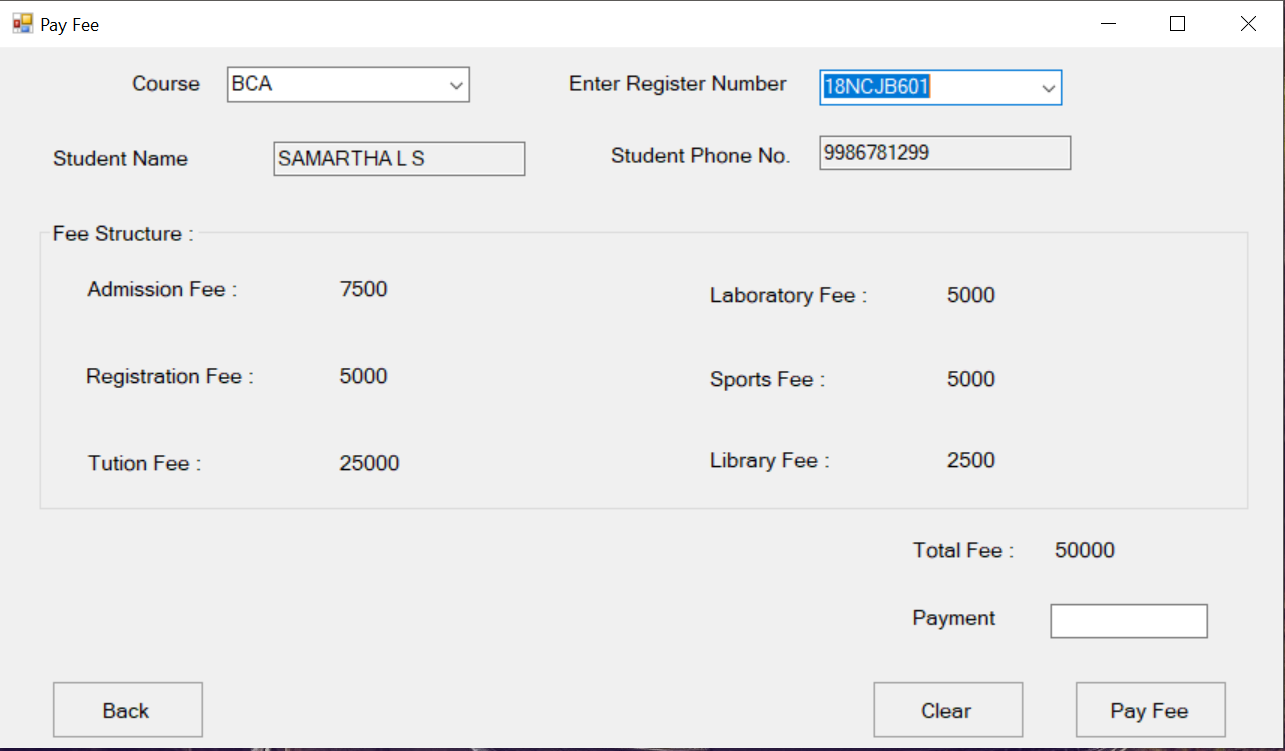


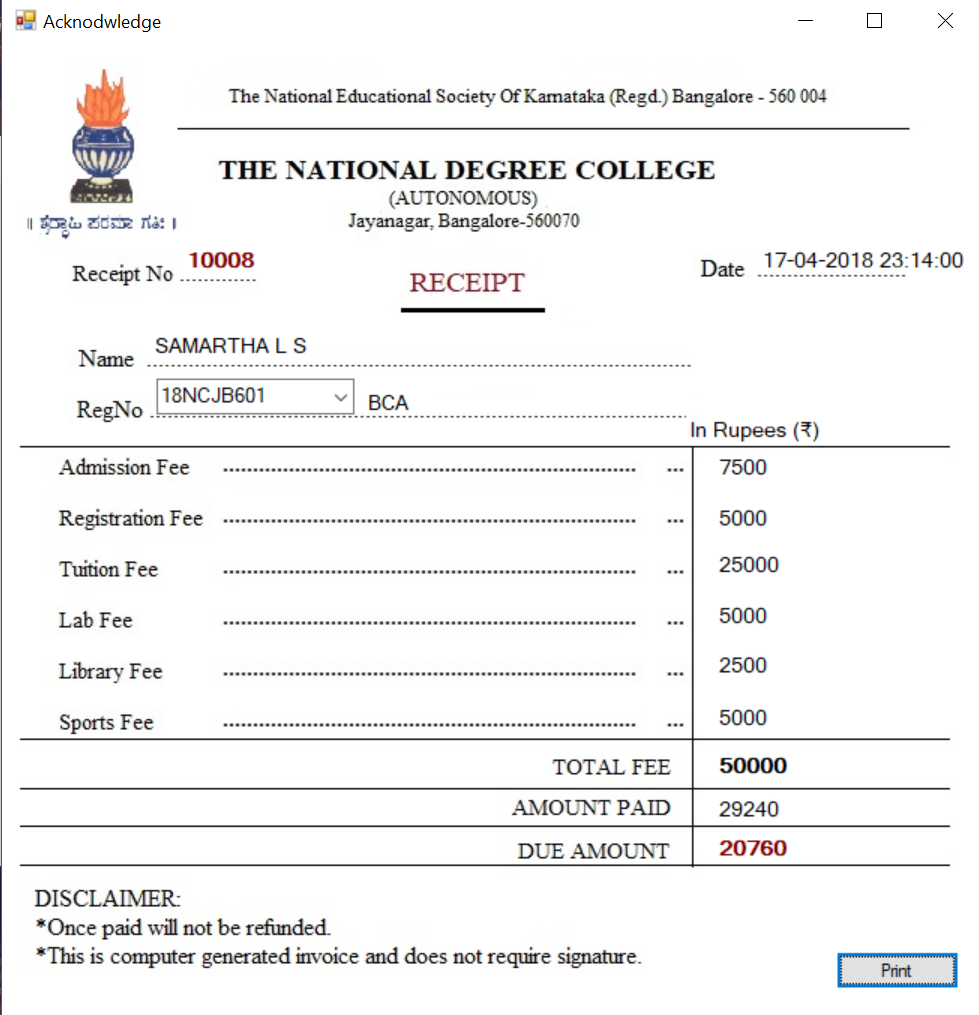


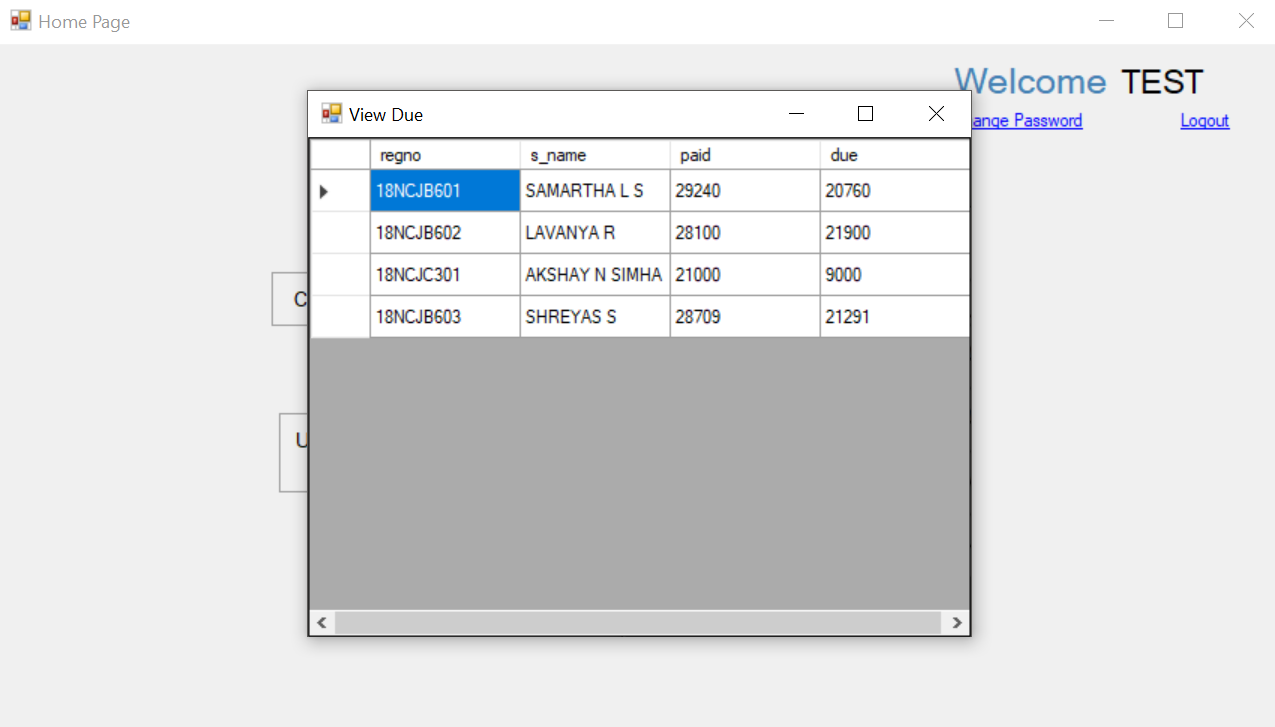












**BIBILOGRAPHY**

**REVIEW THROUGH BOOKS**

* Pro ASP.net MVC 5 by Simone Chiaretta and Ugo Lattanzi
* C# complete reference Balguru swamy.
* Database Management System by Navante.

**REVIEW THROUGH WEB REFERENCE**

* [***www.sitetpoint.com***](http://www.sitetpoint.com)
* [***www.w3schools.com***](http://www.w3schools.com)
* [***www.wikipedia.com***](http://www.wikipedia.com)
* [***www.tutorialspoint.com***](http://www.tutorialspoint.com)
* [***www.youtube.com***](http://www.youtube.com)
* [***www.quora.com***](www.quora.com)