

MINI PROJECT - 2

(2020-2021)

PROJECT REPORT

Resume Builder



GLA University, Mathura

Department of Computer Science and Engineering

Submitted in partial fulfillment of the requirements for the Degree of
Bachelor Technology

Team Members

Manish Sharma (181500368)

Rahul Saxena(181500538)

Prakhar Agarwal (181500469)

Supervised By

Mr. Akash Kumar Choudhary

(Technical Trainer)

DECLARATION

We hereby declare that we carried out the work reported in this project under the department of Computer Science and Engineering, GLA University, Mathura under the supervision of Mr. Akash Kumar Choudhary (Technical Trainer). We solemnly declare that to best of our knowledge, no part of this report has been submitted here or elsewhere in a previous application for a third year project. All sources of knowledge used have been duly acknowledged.

.....
Manish Sharma	Rahul Saxena	Prakhar Agarwal
1815000368	181500538	181500469
B.TECH (CSE)	B.TECH (CSE)	B.TECH (CSE)
3rd year (VI SEM.)	3rd year (VI SEM.)	3rd year (VI SEM.)

ACKNOWLEDGEMENT

This project itself is acknowledgement for all those people who have given us their heartfelt co-operation in making this project a grand success. We would like to express our special thanks of gratitude to our teacher Mr. Akash Kumar Choudhary (Technical Trainer) of GLA University, Mathura for providing valuable guidance at every stage of this project work.

We would also like to thank to all teachers of the department of Computer Science And Engineering who gave us the golden opportunity to do this wonderful project on the topic Resume Builder which will also help us in doing a lot of research and we will come to know about so many new things.

We would like to express our deep sense of gratitude and earnest thanks giving to our dear parents for their moral support and heartfelt cooperation in doing the main project. Finally, we would like to thank all those friends who are involved directly and indirectly in completion of our project.

ABSTRACT

Resume is the first meeting between you and a prospective employer more often now than ever. So, how do you want to be remembered ? wrinkled and unorganized. Neat and structured. Long and boring. Precise and interesting. Companies do not have the time to interview every applicant that is interested in the job. If they did, there would not be a company to work for. They use an eliminating process. That's right - resumes. When a job seeker wants to apply for a job online then generally he/she needs to attach his/her resume with the email. Online Resume Building provides the users the popular resume formats & a better way to show their resumes to the employers. A job seeker can download as well.

The Online Resume Builder has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing systems. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error messages while entering invalid data. NO format knowledge is needed for the user to use this system. Thus by this all it provides it is user friendly. Online Resume Builder, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources.

The main objective of Online RESUME BUILDER is to manage the details of the Resume, Job, Individual Skills, Qualifications. It manages all the information about Resume, Jobseeker, Qualifications, Resume. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the resume, job, jobseeker, individual. It tracks all the details about the individual, skills Qualification.

TABLE OF CONTENT

Declaration.....	ii
Acknowledgement.....	iii
Abstract.....	iv
1. Introduction.....	1 - 3
1.1 Overview.....	1
1.2 Purpose and Area of Scope.....	1
1.3 Aim and Objective.....	2
1.4 Goals.....	2
2. Literature Review.....	4
3. System Specifications.....	5 - 17
3.1 Hardware Requirements.....	5
3.2 Software Requirements.....	5
3.3 Language Used.....	9
4. System Analysis.....	18 - 21
4.1 Feasibility Analysis.....	18
4.2 Technical Feasibility.....	19
4.3 Economical Feasibility.....	20
4.4 Operational Feasibility.....	20
5. Software Design.....	22 -24
5.1 Architectural Design.....	22
5.2 E-R Diagram.....	22
5.3 Use-Case Diagram.....	23
5.4 Data Flow Diagram.....	24

6. Snapshots.....	25 – 26
7. Conclusion.....	27
8. References.....	28
9. Appendices.....	29 - 44

CHAPTER - 1

INTRODUCTION

1.1 Overview

As placement season of most of the colleges is going to start, making resume is a very hectic work for all the students. Also, many companies judge the candidature of a student just by his/her Resume. So it is necessary for the student to think beyond the third dimension while making the Resume.

It is an application that simplifies the task of creating a resume for individuals. The system is flexible to be used and reduces the need of thinking and designing an appropriate resume according to qualifications. The system is developed to provide an easy means for creating a professional looking resume. Individuals just have to fill up a form that specifies questions from all required fields such as personal questions, educational, qualities, interest, skills and so on. The answers provided by the users are stored and the system automatically generates a well structured resume. Users have option to create resume in any format and file.

This pretends to be a useful web application in particular for an academic and research environment. This online resume builder is designed to help the job seekers to create a professional resume for them. The candidates are not required to spend more time designing and creating professional CV. They can enter their details directly into the popup box and their resume will be created automatically. A well structured resume will be generated, once the user submits his/her details and user can download it in any file format, as per his/her requirement.

The website is easy to use and user-friendly. It is compatible with mobile phones and other devices. Also, the data of the user is completely secured and he/she has to make an account and set their password to access their Resumes at any point of time. As stated above, the Resume is downloadable in PDF format which is quite a unique feature.

1.2 Purpose and Area of Scope

Purpose of Online Resume Builder is to provide a way to the customers to design their resumes according to their requirements. They can create an effective resume according to their skills and requirements. It is very easy to create resume using resume builder.

Resume Builder can be used in accordance with the requirements of the customers. Customers can customize their resumes with their choice of themes & details. The services are hard to be defeated by the competitors as the system is providing the customers exactly what they want.

It may help collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Online Resume Builder. It will be also reduced to cost of collecting the management and collection procedure will go on smoothly.

1.3 Aim and Objective

The main objective of the project on the Online Resume Builder is to manage the details of Resume, Job, Qualification, Skill, Job seeker. It manages all the information about resume, individual, jobseeker, resume. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an web application to reduce the manual work for managing the resume, job, individual, qualifications. It tracks all the details about the qualification, skill, job seeker.

It provides many facilities like:-

- It provides searching facilities based on various factors. Such as resume, qualification, skills, job seeker.
- Online resume builder also manage the individual details online for skill details, jobseeker details.
- It tracks all the information of job, individual, skills etc.
- It shows the information and description of the resume, qualification, skills to increase the efficiency of managing the resume, job.
- It deals with monitoring the information and transaction of skill.

1.4 Goals

1) Planned approach towards working: - The working of the system will be well planned and organized.

2) Accuracy: - The level of accuracy in the system will be higher. All operation would be done correctly and it ensures that whatever information is coming from the system is accurate.

3) Reliability: - The reliability of the proposed system will be high due to the above stated reasons.

4) No redundancy: - In the proposed system utmost care would be that no information is repeated anywhere, in storage or otherwise.

5) Easy to operate: - The system should be easy to operate and should be such that it can be easily understood by a new user.

CHAPTER – 2

LITERATURE REVIEW

The resume remains a common selection method used by organizations; however, much of the resume research literature is dated and there is a lack of an organizing framework regarding future resume-related research. Thus, the purpose of the current paper is to provide:

- (1) A synthesis of the historical empirical research literature through the lens of the advice that has accumulated to date
- (2) An organizing framework containing future research questions that need to be investigated in order to continue moving the literature forward. The current paper will be of use to job applicants, business communication instructors, and researchers.

CHAPTER – 3

SYSTEM SPECIFICATIONS

3.1 Hardware Requirements

Computer system with minimum requirements (At Client Side):

- ☐ Processor: Any Processor x86 or x64 supportive to software required.
- ☐ Disk Space: .5- 1 GB
- ☐ RAM: 512 MB

3.2 Software Requirements

3.2.1 Visual Studio Code

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go) and runtimes (such as .NET and Unity). It Enable additional languages, themes, debuggers, commands, and more. VS Code's growing community shares their secret sauce to improve your workflow.

There is a galore of factors that make Visual Studio Code one of the most complete and comprehensive integrated development environments for working with the all programming and scripting language.

Before proceeding further into exploring, how features of Visual Studio Code i.e., features, installation, and pros & cons, let's first get a brief introduction to Visual Studio Code. Available as a cross-platform application, Visual Studio Code is compatible with Linux, macOS, and Windows platforms. Sitting gracefully among the best IDEs compatible with most of the languages, Visual Studio Code provides support for both programming and scripting languages.

Visual Studio Code comes up with the more features that are helpful in doing programming. Some of the features are:-

1)-Meet IntelliSense-

Go beyond syntax highlighting and auto-complete with IntelliSense, which provides smart completions based on variable types, function definitions, and imported modules.

2)- Print statement debugging is a thing of the past-

Debug code right from the editor. Launch or attach to your running apps and debug with break points, call stacks, and an interactive console.

3)- Git commands built-in-

Working with Git and other SCM providers has never been easier. Review diffs, stage files, and make commits right from the editor. Push and pull from any hosted SCM service.

4)- Extensible and customizable-

Want even more features? Install extensions to add new languages, themes, debuggers, and to connect to additional services. Extensions run in separate processes, ensuring they won't slow down your editor.

5)- Deploy with confidence and ease-

With Microsoft Azure you can deploy and host your React, Angular, Vue, Node, Python (and more!) sites, store and query relational and document based data, and scale with serverless computing, all with ease, all from within Visual Studio Code.

Usage

The main reason Visual Studio Code for the creation of this IDE was to provide best platform for all programming language, and to operate across multiple platforms like Windows, Linux, and macOS. The IDE comprises code analysis tools, debugger, testing tools, and also version control options. It also assists developers in building all programming extensions with the help of various extensions available. The IDE allows us to work with several databases directly without getting it integrated with other tools. Although it is specially designed for Java, Python, Typescript, HTML, CSS, and Javascript files can also be created with this IDE. It also comes with a beautiful user interface that can be customized according to the needs using plugins.

Features

1. Intelligent Code Editor
2. Availability of Integration Tools
3. Integrated Debugging and Testing
4. Multi-technology Development
5. Project and Code Navigation
6. Refactoring
7. Remote Development
8. Version Control

Installing and Setting Up Visual Studio Code

Memory 4GB

Storage Space - 2.5GB (main) + 1GB (caches)

Resolution - 1024x768

OS - 64-bit version of macOS 10.11/Microsoft Windows 7 SP1/any Linux distribution supporting Gnome, KDE, or Unity DE

3.2.2 GITHub

GitHub is a Git repository hosting service that provides a web-based graphical interface. It is the world's largest coding community, and putting a code or a project out there brings increased, widespread exposure to your code. You can find source code in many different programming languages and keep track of all changes. Programmers use the command-line interface, Git, to make changes.

GitHub helps every team member work together on a project from any location while facilitating collaboration. You can also review previous versions at any previous point in time.

The Git version control system, as the name suggests, is a system that records all the modifications made to a file or set of data, so that a specific version may be called up later if needed. The system makes sure that all the team members are working on the file's latest version, and everyone can work simultaneously on the same project.

Features

1. Easy project management

GitHub is a place where project managers and developers coordinate, track, and update their work so that projects are transparent and stay on schedule.

2. Increased safety with packages

Packages can be published privately, within the team, or publicly to the open-source community. The packages can be used or reused by downloading them from GitHub.

3. Effective team management

GitHub helps all the team members stay on the same page and organized. Moderation tools like Issue and Pull Request Locking help the team to focus on the code.

4. Improved code writing

Pull requests help the organizations to review, develop, and propose new code. Team members can discuss any implementations and proposals through these before changing the source code.

5. Increased code safety

GitHub uses tools to identify and analyze vulnerabilities to the code that other tools tend to miss. Development teams everywhere work together to secure the software supply chain, from start to finish.

6. Easy code hosting

All the code and documentation are located in one place. There are millions of repositories on GitHub, and each repository has its own tools to help you host and release code.

3.3 Language Used

3.3.1 HTML

HTML is the standard markup language for creating Web pages. The HyperText Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by *tags*, written using angle brackets. Tags such as `` and `<input />` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

Features of HTML:

- It is easy to learn and easy to use.
- It is platform-independent.
- Images, videos, and audio can be added to a web page.

- Hypertext can be added to text.
- It is a markup language.

Why learn HTML?

- It is a simple markup language. Its implementation is easy.
- It is used to create a website.
- Helps in developing fundamentals about web programming.
- Boost professional career.

Advantages:

- HTML is used to build websites.
- It is supported by all browsers.
- It can be integrated with other languages like CSS, JavaScript, etc.

Disadvantages:

- HTML can only create static webpages. For dynamic webpages, other languages have to be used.
- A large amount of code has to be written to create a simple web page.
- The security feature is not good.

3.3.2 CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by

voice (via speech-based browser or screen reader), and on Braille-based tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile device.

The name *cascading* comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable.

The CSS specifications are maintained by the World Wide Web Consortium (W3C). Internet media type (MIME type) `text/css` is registered for use with CSS by RFC 2318 (March 1998). The W3C operates a free CSS validation service for CSS documents.

In addition to HTML, other markup languages support the use of CSS including XHTML, plain XML, SVG, and XUL.

Features

- **CSS saves time** – You can write CSS once and then reuse same sheet in multiple HTML pages. You can define a style for each HTML element and apply it to as many Web pages as you want.
- **Pages load faster** – If you are using CSS, you do not need to write HTML tag attributes every time. Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So less code means faster download times.
- **Easy maintenance** – To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.
- **Superior styles to HTML** – CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.
- **Multiple Device Compatibility** – Style sheets allow content to be optimized for more than one type of device. By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cell phones or for printing.

- **Global web standards** – Now HTML attributes are being deprecated and it is being recommended to use CSS. So its a good idea to start using CSS in all the HTML pages to make them compatible to future browsers.

3.3.3 JavaScript

JavaScript often abbreviated as **JS**, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. Over 97% of websites use it client-side for web page behavior, often incorporating third-party libraries.^[12] All major web browsers have a dedicated JavaScript engine to execute the code on the user's device.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

The ECMAScript standard does not include any input/output (I/O), such as networking, storage, or graphics facilities. In practice, the web browser or other runtime system provides JavaScript APIs for I/O.

JavaScript engines were originally used only in web browsers, but they are now core components of other software systems, most notably servers and a variety of applications.

Features

JavaScript is divided into two main features, they are as follows –

General JavaScript Features

JavaScript language consists of several different features. Some of the general JavaScript features are as follows –

1. Validating User's Input

JavaScript is very useful while using forms. It has the capability to validate user input for errors and also saves time. If the user leaves a required field empty or the information is incorrect, JavaScript checks for them before sending the data over to the server.

2. Simple Client-side Calculations

Since JavaScript is a client-side technology, it can perform basic calculations on the browser. The browser does not need to ask server time for every task. This is especially helpful when a user needs to perform these calculations repeatedly. In these cases, connecting to the server would take a lot more time than performing the actual calculations.

3. Greater Control

JavaScript provides greater control to the browser rather than being completely dependent on the web servers. JavaScript provides various browsers with additional functionalities that help reduce server load and network traffic.

4. Platform Independent

Since browsers interpret JavaScript, it solves the problem of compilation and compatibility. Thus it can run on Windows, Macintosh, and other Netscape-supported systems. Also, it is possible to embed them in any other script like HTML that keeps JavaScript into use.

5. Handling Dates and Time

Unlike other programming languages, JavaScript has built-in functions to determine the date and time. Thus it is very easy to code only by using methods like **.getDate()**.

6. Generating HTML Content

JavaScript has very handy features to dynamically generate HTML content for the web. It allows us to add text, links, images, tables, etc after an event occurrence (**eg – mouse click**).

7. Detecting the User's Browser and OS

JavaScript is very capable in the detection of the user's browser and OS information. Though JavaScript runs on every platform, there may occur a situation where we need the user's browser before processing. This can be helpful for writing code that results in different outputs in different browsers.

Modern JavaScript Features

If we dive into some more recently added features of JavaScript that makes it unique from other programming languages. There are a lot more modern features of JavaScript invented after some general features. Some of them are as follows –

1. Let/Const

JavaScript has introduced the keywords '**let**' and '**const**' that are available to replace '**var**'. Unlike '**var**', they are important due to their blocked scope i.e we can only access them in the block we defined them in. Whereas '**var**', even if we initialize it inside a function, we can access it outside of the function.

2. Arrow Functions

These functions are very useful in simplifying the syntax and tamp down the lines of codes for the web page or web application. Since these are light-weight in syntax, they can be very easily used in anonymous **functions in JavaScript**.

3. Template Literal

This is a common feature in other programming languages that allows you to save variables directly into strings. This proves to be an important tool for developers as it permits them to focus more on the development of the application rather than spending the time on syntax.

4. New Array Functions

Though array functions are not necessary for any programming language, they do simplify things for the developer. This also compacts the code and makes it much easier to understand. A regular array and an associative array, JavaScript supports them both. While a regular array contains integer values for its index, indexes can be strings for an associative array.

5. Default Parameters

This JavaScript feature helps to avoid collapsing the whole code for a simple mistake. It is very useful when the developer needs to check the working of a function without any parameters.

6. Property Shorthand

Built-in methods like `.get()` are available for the developer's use. These methods help avoid writing the same code every time and cut back on various lines of code. These inborn methods are really supportive of cutting back the developing time and cost.

3.3.4 Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

As of April 2021, Bootstrap is the tenth most starred project on GitHub, with more than 150,000 stars, behind freeCodeCamp(almost 312,000 stars), Vue.js framework, React library, TensorFlow and others.

Features-

- Easy to Use
- Mobile-Friendly
- Customizable Bootstrap

- Simple Integration
- Pre-styled Components
- Responsive Features
- Browser Compatibility
- Great Grid System
- Extensive list of Components
- Bundled Javascript plugins
- Good Documentation
- Base Styling for most HTML Elements

Easy to use

Anybody with just basic knowledge of HTML and CSS can start using Bootstrap

Responsive features

Bootstrap's responsive CSS adjusts to phones, tablets, and desktops

Mobile-Friendly

Mobile-first approach: In Bootstrap 3, mobile-first styles are part of the core framework

Simple Integration

Bootstrap can be simply integrated along with distinct other platforms and frameworks, on existing sites and new ones too and one more thing you can also utilize particular elements of Bootstrap along with your current CSS.

Pre-styled Components

Bootstrap approaches with pre-styled components for alerts, dropdowns, nav bars, etc.

Customizable Bootstrap

The Bootstrap can be customized as per the designs of your project.

Browser compatibility

Bootstrap is compatible with all modern browsers (Chrome, Firefox, Internet Explorer, Safari, and Opera)

Great grid system

Bootstrap is built on responsive 12-column grids, layouts and components. Whether you need a fixed grid or a responsive, it's only a matter of a few changes.

Bundled JavaScript plugins

The components such as drop down menu are made interactive with the numerous JavaScript plugins bundled in the bootstrap package.

Extensive list of components

Whether you need drop down menus, pagination or alert boxes, Bootstrap has got your covered. Some of the components pre styled are; Dropdowns, Button Groups, Navigation Bar, Breadcrumbs, Labels & Badges, Alerts, Progress Bar, And many others.

Base styling for most HTML elements

A website has many different elements such as headings, lists, tables, buttons, forms, etc. The HTML elements for which styles are provided are; Typography Code, Tables, Forms, Buttons, Images, Icons.



Chapter – 4

SYSTEM ANALYSIS

4.1 Feasibility Study

Depending on the results of the initial investigation the survey is now expanded to a more detailed feasibility study. “FEASIBILITY STUDY ” is a test of system proposal according to its workability, impact of the organization, ability to meet needs and effective use of the resources. It focuses on these major questions:

1. What are the user’s demonstrable needs and how does a system meet them?
2. What resources are available for given system?
3. What are the likely impacts of the system on the organization?
4. Whether it is worth to solve the problem?

During feasibility analysis for this project, following primary areas of interest are to be considered. Investigation and generating ideas about a new system does this.

Steps in feasibility analysis eight steps involved in the feasibility analysis are:

1. Form a project team and appoint a project leader.
2. Prepare system flowcharts.
3. Enumerate potential proposed system.
4. Define and identify characteristics of system.
5. Determine and evaluate performance and cost effectiveness of each system.
6. Weight system performance and cost data.

7. Select the best-proposed system.
8. Prepare and report final project directive to management.

4.2 Technical Feasibility

Technical feasibility is the study of resource availability that may affect the ability to achieve an acceptable system. This evaluation determines whether the technology needed for the proposed system is available or not.

- Can the work for the project be done with current equipment existing software technology & available personal?
- Can the system be upgraded if developed?
- If new technology is needed then what can be developed?

This is concerned with specifying equipment and software that will successfully satisfy the user requirement. The technical needs of the system may include:

Front-end selection An important issue for the development of a project is the selection of suitable front-end. When we decided to develop the project we went through an extensive study to determine the most suitable platform that suits the needs of the academy as well as helps in development of the project. The aspects of our study included the following factors.

Front-end selection:

1. It must have a graphical user interface that assists users that are not an advanced user of computer.
2. Scalability and extensibility.
3. Flexibility and Robustness.
4. Must provide excellent reporting features with good printing support.

5. Platform independent.
6. Easy to debug and maintain.
7. Event driven programming facility. .

4.3 Economical Feasibility

Economic justification is generally the “Bottom Line” consideration for most systems. Economic justification includes a broad range of concerns that includes cost benefit analysis. In this we weight the cost and the benefits associated with the candidate system and if it suits the basic purpose of the organization i.e. profit making, the project is making to the analysis and design phase.

The financial and the economic questions during the preliminary investigation are verified to estimate the following:

- 1.The cost to conduct a full system investigation.
2. The cost of hardware and software for the class of application being considered.
3. The benefits in the form of reduced cost.
4. The proposed system will give the minute information, as a result the performance is improved which in turn may be expected to provide increased profits.
5. This feasibility checks whether the system can be developed with the available funds. Online Resume Builder does not require enormous amount of money to be developed. This can be done economically if planned judicially, so it is economically feasible. The cost of project depends upon the number of man-hours required.

4.4 Operational Feasibility

It is mainly related to human organizations and political aspects. The points to be considered are:

1. What changes will be brought with the system?
2. What organization structures are disturbed?
3. What new skills will be required?

The system is operationally feasible as it very easy for the End users to operate it.

Resume Builder can be developed in the considerable amount of time.

This system ensures certain features that are not available with present manual system. These are described below:

a) Planned approach towards working: - The working in the system will be well planned and organized. The data will be stored properly in data stores, which will help in retrieval of information as well as its storage.

b) Accuracy: - The level of accuracy in the proposed system will be higher. All operation would be done correctly and it ensures that whatever information is coming from the server is accurate.

c) Reliability: - The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.

d) No Redundancy: - In the proposed system utmost care would be that no information is repeated anywhere, in storage or otherwise. This would assure economic use of storage space and consistency in the data stored.

e) Easy to Operate: - The system should be easy to operate and should be such that it can be developed within a short period of time and fit in the limited budget of the user.

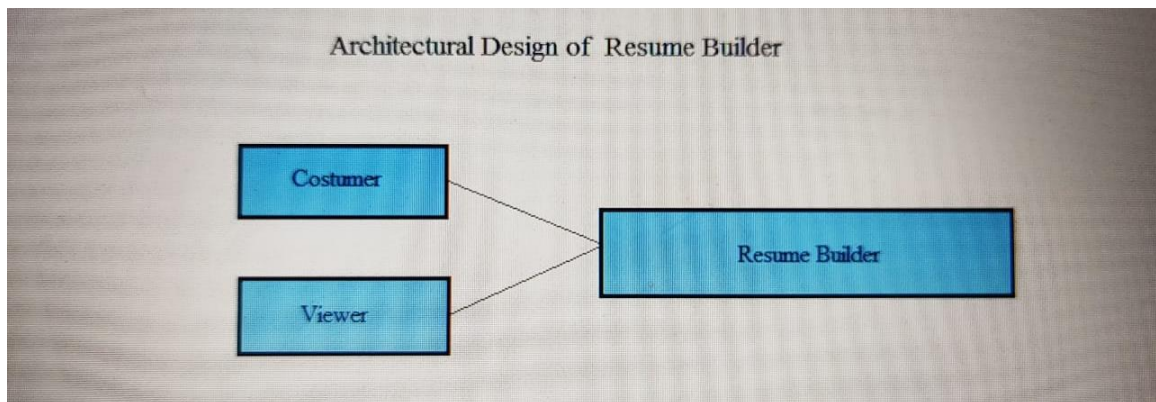
Chapter – 5

Software Design

In this Chapter we mainly focused on whole system of Resume builder project. We describe all possible data diagrams and designs which shows the compatibility of whole system.

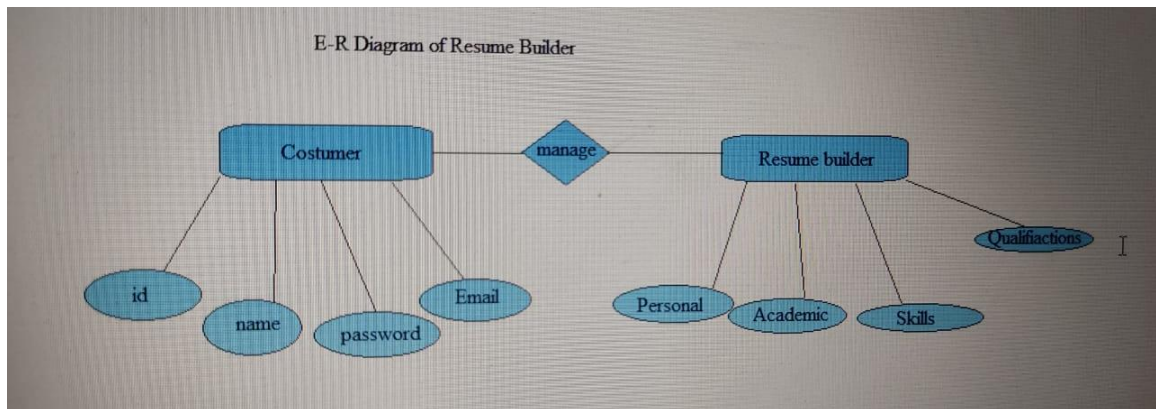
5.1 Architectural Design

Architectural design represents the structure of data and program components that are required to build a computer-based system. It considers the architectural style that the system will take, the structure and properties of the components that constitute the system, and the interrelationships that occur among all architectural components of a system. It is the architectural design and diagram of resume builder project.



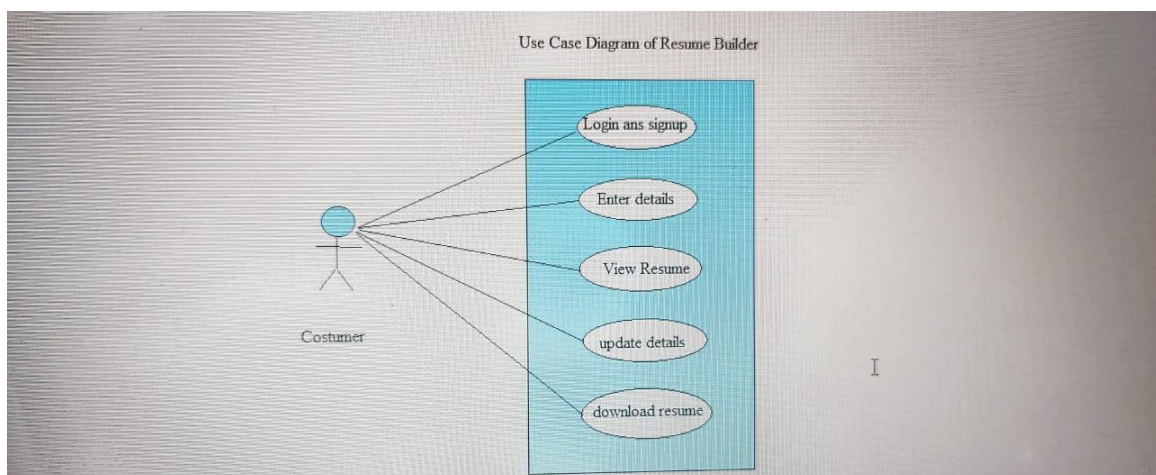
5.2 E-R Diagram

The object/relationship pair is the cornerstone of the data model. These pairs are represented graphically using E-R diagrams. A set of primary components are identified for the ERD: data objects, attributes, relationships and various type indicators. The primary purpose of ERD is to represent data objects and their relationships.



5.3 Use Case Diagram

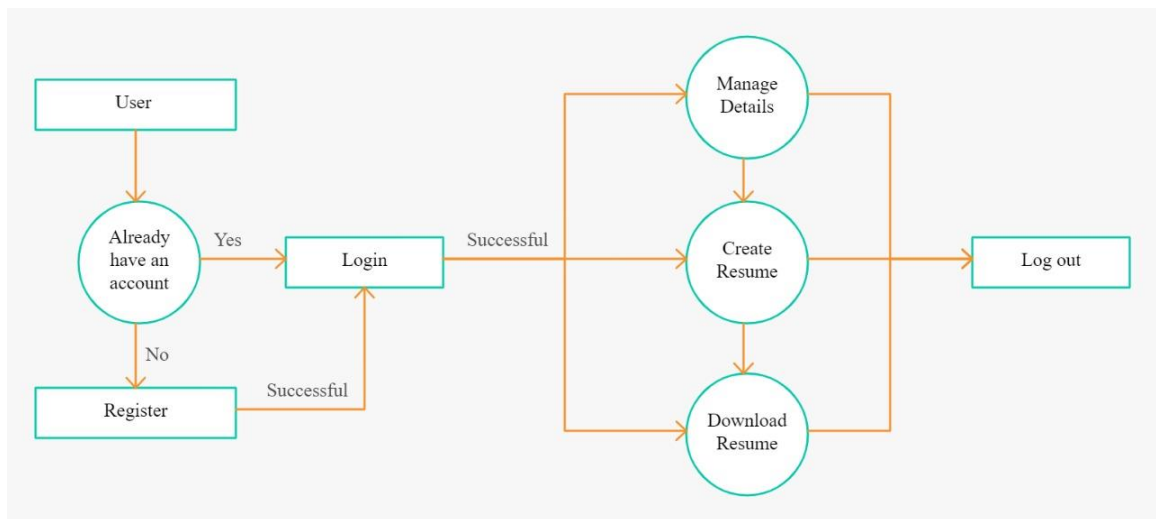
A use case diagram is a dynamic or behavior diagram in UML. Use case diagrams model the functionality of a system using actors and use cases. Use cases are a set of actions, services, and functions that the system needs to perform. In this context, a "system" is something being developed or operated, such as a web site. The "actors" are people or entities operating under defined roles within the system. Use case diagrams are valuable for visualizing the functional requirements of a system that will translate into design choices and development priorities. They also help identify any internal or external factors that may influence the system and should be taken into consideration. They provide a good high level analysis from outside the system. Use case diagrams specify how the system interacts with actors without worrying about the details of how that functionality is implemented.



5.4 DFD (Data flow diagram)

A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range from simple, even hand-drawn process overviews, to in-depth, multi-level DFDs that dig progressively deeper into how the data is handled. They can be used to analyse an existing system or model a new one. Like all the best diagrams and charts, a DFD can often visually “say” things that would be hard to explain in words, and they work for both technical and nontechnical audiences, from developer to CEO. That’s why DFDs remain so popular after all these years. While they work well for data flow software and systems, they are less applicable nowadays to visualizing interactive, real-time or database-oriented software or systems.

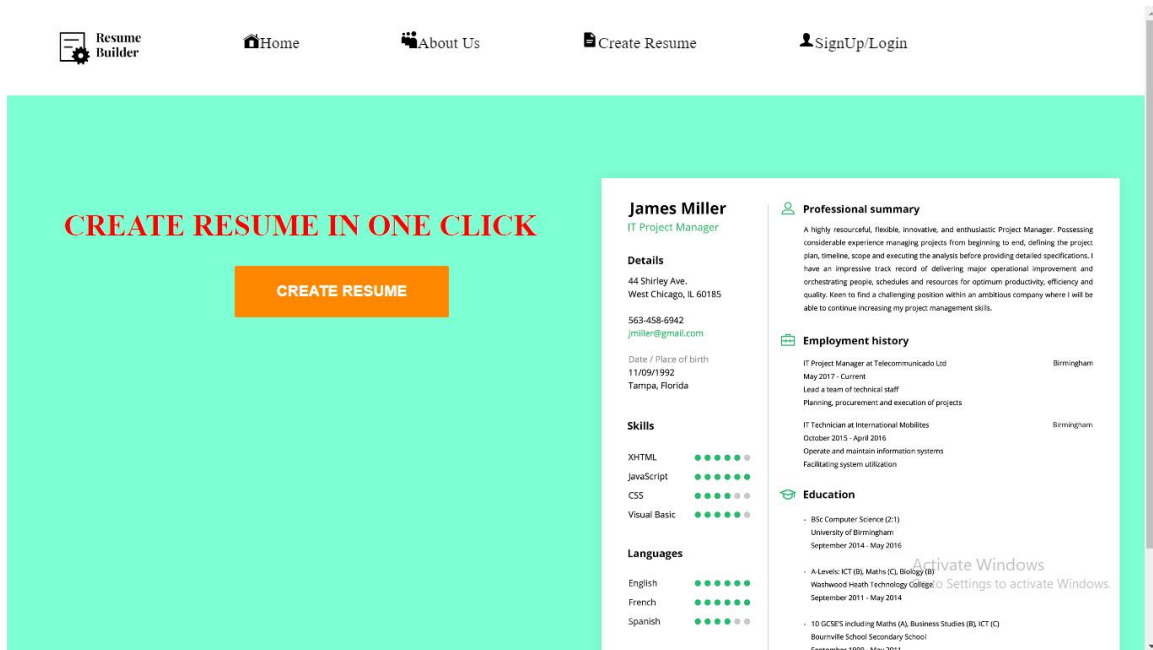
The data flow diagram enables the software engineer to develop models of the information domain and functional domain at the same time. As the DFD is refined into greater level of detail, the analyst performs an implicit functional decomposition of the system. At the same time, the DFD refinement results in corresponding refinement of data as it moves through the processes that embody the application.



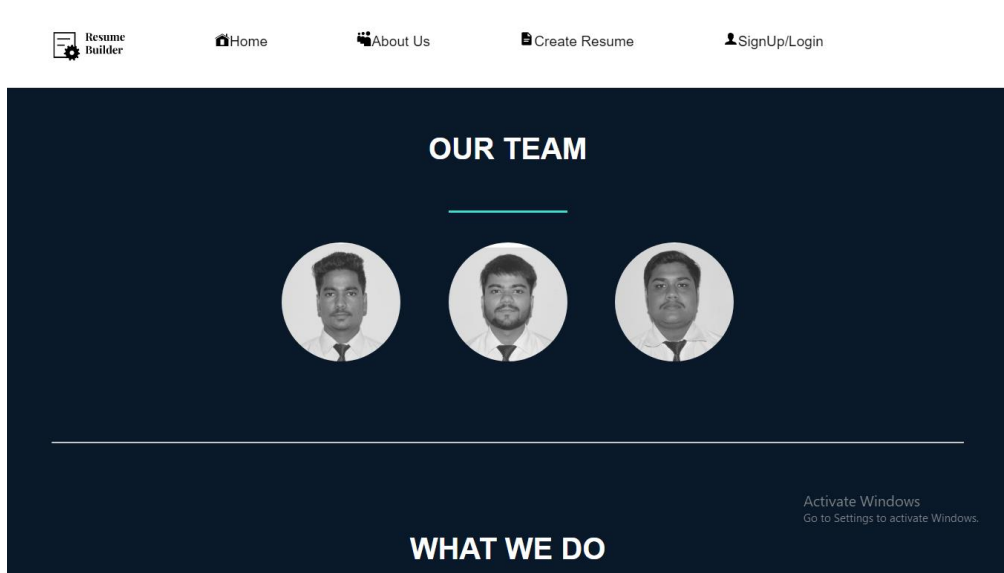
Chapter – 6

Snapshots

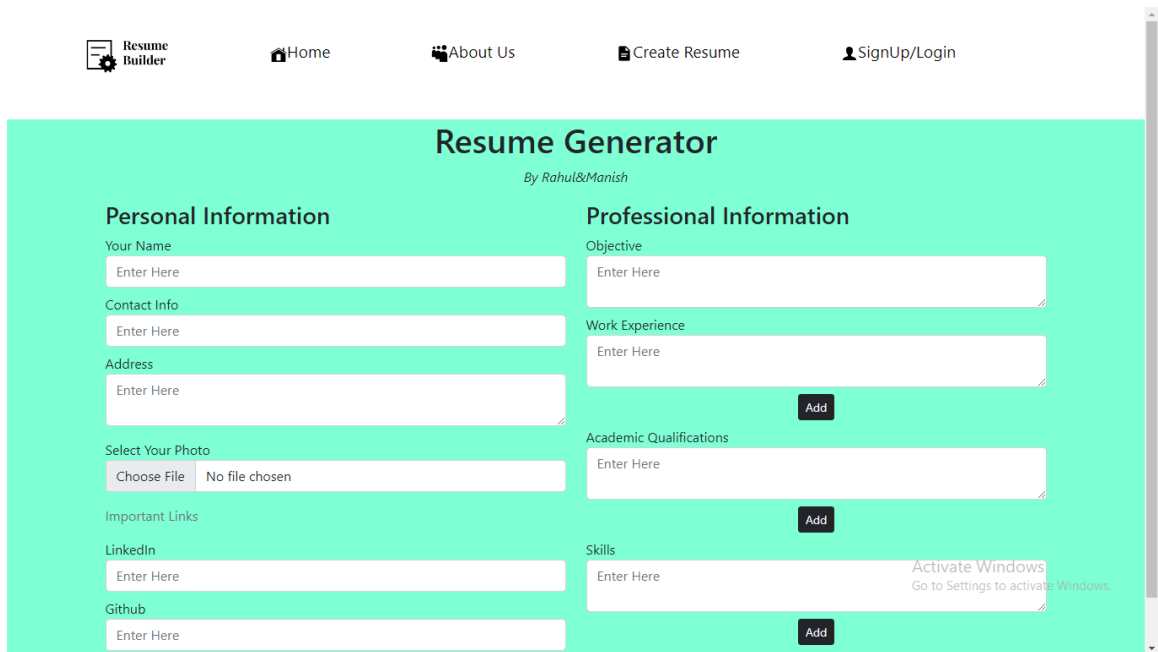
Homepage



About Us page



Create Resume Page



The screenshot shows the 'Resume Generator' page with a teal background. At the top is a navigation bar with links: Resume Builder, Home, About Us, Create Resume, and SignUp/Login. The main content is divided into two columns: 'Personal Information' and 'Professional Information'. The 'Personal Information' column includes fields for Name, Contact Info, Address, a photo upload section, and social media links (LinkedIn, Github). The 'Professional Information' column includes fields for Objective, Work Experience, Academic Qualifications, and Skills. Each section has an 'Add' button. A Windows activation watermark is visible on the right side.

Resume Generator
By Rahul&Manish

Personal Information

Your Name
Enter Here

Contact Info
Enter Here

Address
Enter Here

Select Your Photo
Choose File No file chosen

Important Links

LinkedIn
Enter Here

Github
Enter Here

Professional Information

Objective
Enter Here

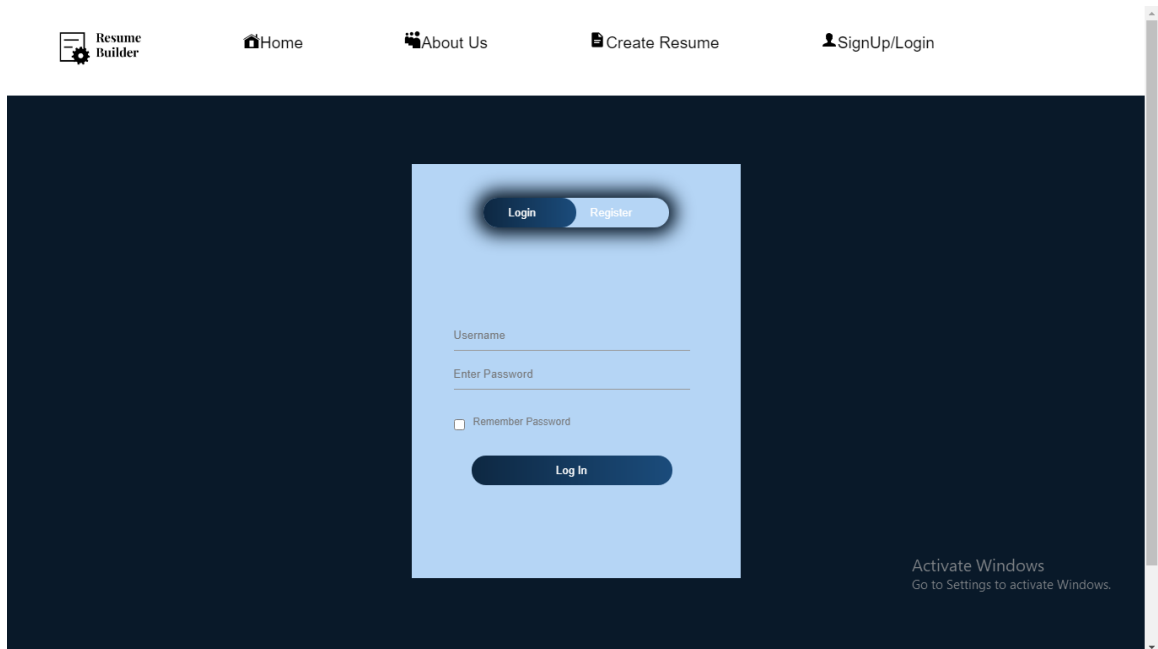
Work Experience
Enter Here
Add

Academic Qualifications
Enter Here
Add

Skills
Enter Here
Add

Activate Windows
Go to Settings to activate Windows.

Login Signup Page



The screenshot shows the 'Login Signup' page with a dark blue background. At the top is a navigation bar with links: Resume Builder, Home, About Us, Create Resume, and SignUp/Login. The main content is a light blue box containing a login/register form. The form has a toggle switch for 'Login' and 'Register', fields for Username and Password, a 'Remember Password' checkbox, and a 'Log In' button. A Windows activation watermark is visible on the right side.

Login Signup Page

Resume Builder Home About Us Create Resume SignUp/Login

Login Register

Username
Enter Password

☐ Remember Password

Log In

Activate Windows
Go to Settings to activate Windows.

CHAPTER – 7

CONCLUSION

The project Online Resume Builder is for computerizing the working of building resumes. The software takes care of all the requirements of the process and is capable to provide easy and effective storage of information related to customers and resumes that come up to the system. It generates reports for customers & administrators. It Provides easy designing tools and other interesting features. The system also provides the facility to contact the customer.

This system provides online storage/ updates and retrieval facility. This system promises very less or no paper work and also provides help to customers and viewers. In this system everything is stored electronically so very less amount of paper work is required and information can be retrieved very easily without searching here and there into registers.

CHAPTER – 7

REFERENCES

- [1]- HTML: Complete Reference.
- [2]- www.w3schools.com
- [3]- Various e-books and tutorials provided on Internet.
- [4]- www.wikipedia.org
- [5]- www.webreference.com
- [6]- www.webdesign.org
- [7]- www.csstutorial.net

CHAPTER – 7

APPENDICES

