GOVERNMENT POLYTECHNIC PUNE

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PRACTICAL 2

Title :-

Write problem statements to define the project title with a bounded scope of the project.

Project Title :- Resume Builder.

Aim :-

Resume Builder is a Python based project. The main modules available in this project are Questions Module which manages the functionality of Question, User is normally used for managing Users, Resumes contains all the functionality related to Resume, Job manages the job functionality, Salary has all the features of salary and Skills modules manages the functionality of Skills.

As we know Python projects are trending topics for academic python project development. So we had chosen Python for developing Resume Builder. In this project we are going to develop features for question, user, salary etc. which reduces human efforts and increases efficiency.

Modules of our Projects :-

online 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

- ➢ **Question Module**
  - ○ It contains the functionality related to questions.
- ➢ **User Module**
  - ○ It manages all the operations related to the user.
- ➢ **Resume Module**
  - ○ Manages resume related modularity.
- ➢ **Job Module**
  - ○ These modules manage Job functionality.
- ➢ **Salary Module**
  - ○ Salary modules contain all the CRUD operations related to Salary.
- ➢ **Skill Module**
  - ○ Skill module contains all the required functions which include adding, viewing, deleting and updating skills lists.

Report of Resume Builder :-

- ➢ **Question Report**
  - ○ We will generate all the reports of questions in this.
- ➢ **User Report**
  - ○ It will Generate reports related to the user.
- ➢ **Resume Report**
  - ○ All Resume reports will be available in this section
- ➢ **Job Report**
  - ○ You can generate filtered reports of jobs.
- ➢ You can generate a report of job, questions, salary, User & Skills.
- ➢ Resume has been integrated for Question, User, Resume Modules
- ➢ You can create the CSV reports for Question, Job, User.

Using Resume Builder :-

You just need to sign in to Google to be able to create, access and share content on Resume Builder. We provide numbers of pre-designed templates for users. If you want to design your own Resume, you can select the blank template. There are many types of fields you can include in a Resume, including short answers, paragraphs and responses. You can embed images and video directly into a Resume, which is a great way to assess what employees think and learn immediately after viewing the image or video.

The data from Resume Builder is collected in a Google Spreadsheet, which allows for further analysis. We allow users to embed links so that you can easily share the results with others.

Price:-Resume Builder is an online tool which everyone can use for free, but a login is required. People can fill out the template without logging in unless you select "Can submit only 1 response" when creating your Resume.

Ease of use:- Resume Builder is an easy way to prepare various types of resumes. The help page allows users to find an answer to their questions.

Accessibility:- It supports screen reader, TalkBack, full page zoom, high contrast settings, and chrome accessibility extensions to increase accessibility.

Privacy:- People are required to create an account on our Resume Builder. This will ask for your personal information (e.g., name, photos, videos, qualification, etc) and wants you to make your profile publicly visible. We are going to use cookies to identify your browser and device and to present appropriate ads, remember search preferences, and offer options based on user data. In addition, they also use people's information like Gmail messages, photos, videos, qualification, occupation to protect both users and the Resume Builder from malware and spam.

5 Reasons to Use Resume Builder :-

Resume Builder is a web-based app used to create resumes for students, job seekers and whoever wants. TheResume Builder is web-based and can be shared with respondents by sending a link, emailing a message, or embedding it into a web page or blog post. Data gathered using the Resume Builder is typically stored in a spreadsheet. Although there are other online resume apps, Resume Builder is an excellent free option.

1. Apply Validation Options to Control Data Entry

Data validation is a rule applied to data entry to make sure that the information is correct and/or useful. Resume Builder offers many options for controlling answers provided by respondents. Questions can be set to *required* to prevent respondents from skipping a question. A number or text can be restricted to a specific entry, character count, or range. Validation options provided by Resume Builder help to improve the quality of the data recorded.

2. Create Professional Looking Resumes using Themes

Resume Builder helps you create professional looking resumes. Themes are available allowing you to select from over a number of pre-set designs. In addition, a custom option promotes creativity. The header, text, form background, and page background can all be customized. It is fun to explore the library of header images (some are animated!). One feature I like is the ability to set the page background. You can upload a picture, take a snapshot, or load an image from a URL or Google Drive to create a custom look. With so many web apps limiting the creative process, it is refreshing that resume appearance is not restricted to only a few templates in Resume Builder.

There are so many more reasons to use Resume Builder – these are just a few. Look for a future post with even MORE reasons you should use Resume Builder.

Advantages of using Resume Builder :-

- It is a free online tool that allows you to create your favorite type of resumes in a few minutes.
- To start using this tool, you only need a Google account, the same one you need to access Gmail, YouTube or Google Drive.
- The interface is very easy to use. Any user with an average Internet knowledge can create a resume using this tool.
- The assistant is simple to use. The What-You-See-Is-What-You-Get interface makes it easy to drag and drop the resume elements and organize them based on actions or events.
- At the design level it is possible to choose between a palette of colors, as well as own images as a background.
- Resume Builder stores the feedback received so we can analyze it in detail.
- For advanced users, the type of data that can be inserted into a field can be customized using regular expressions. This helps customize the resume even more.
- We can send the resumes by email, integrate it into our website or send the link via social networks or any other means.
- With this tool, you can get unlimited templates at no cost, while other tools require a payment depending on the number of templates.

Disadvantages of using Resume Builder :-

- It is necessary to have the internet to be able to use this tool.
- The design customization is very limited. Advanced users can change the design to use the tool with a greater number of purposes.
- There are some security concerns. The user has to create a good password and protect it to increase the level of security.

We are going to use a model for the completion of this project is :-

Agile Model :-

        The meaning of Agile is swift or versatile."Agile process model" refers to a software development approach based on iterative development. Agile methods break tasks into smaller iterations, or parts do not directly involve long term planning. The project scope and requirements are laid down at the beginning of the development process. Plans regarding the number of iterations, the duration and the scope of each iteration are clearly defined in advance.

Each iteration is considered as a short time "frame" in the Agile process model, which typically lasts from one to four weeks. The division of the entire project into smaller parts helps to minimize the project risk and to reduce the overall project delivery time requirements. Each iteration involves a team working through a full software development life cycle including planning, requirements analysis, design, coding, and testing before a working product is demonstrated to the client.

Phases of Agile Model:-

Following are the phases in the Agile model are as follows:

1. Requirements gathering

2. Design the requirements

3. Construction/ iteration

4. Testing/ Quality assurance

5. Deployment

6. Feedback

Agile Testing Methods :-

- Scrum

- Crystal

- Dynamic Software Development Method(DSDM)

- Feature Driven Development(FDD)

- Lean Software Development

- eXtreme Programming(XP)

When to use the Agile Model?

- When frequent changes are required.

- When a highly qualified and experienced team is available.

- When a customer is ready to have a meeting with a software team all the time.

- When project size is small.

Advantage(Pros) of Agile Method :-

1. Frequent Delivery

2. Face-to-Face Communication with clients.

3. Efficient design and fulfils the business requirement.

4. Anytime changes are acceptable.

5. It reduces total development time.

Disadvantages(Cons) of Agile Model :-

1. Due to the shortage of formal documents, it creates confusion and crucial decisions taken throughout various phases can be misinterpreted at any time by different team members.

2. Due to the lack of proper documentation, once the project completes and the developers allotted to another project, maintenance of the finished project can become a difficulty.