Project Synopsis On

Resume Finder

INDEX & TABLES

DESCRIPTION OF PROJECT

This project is aimed at developing a software which will review candidate resumes for any particular desired skillset with just a single click without having to go through the resume files manually.

Any company, either big or small is always hiring employees, therefore it's given that, there would always be lots of employee resumes. The HR is burdened with this responsibility of hiring employees best suited for any particular task and for that he has to manually go through each and every resume file, look for desired skills in a candidate and then select that candidate for interview process. It's clear that this process is time consuming and simply not feasible at all.

Now, instead of going through all those resumes one by one, manually, the HR can just use this software to search through all those resumes with just one click. This software will eliminate the need for manual search of candidate resumes, which would reduce save a lot of time and is way more efficient in every way.

Modules :

1. Login:

In this module HR enter the User id and password, which is then checked for validation and only users with valid User-Id and Password will get entry into search zone. This is a security feature to avoid entry of unauthorized users.

2. Browse:

Through this HR can browse to a specific directory, this directory is then used to find resumes. This module simplifies the job of HR by manually typing directory path.

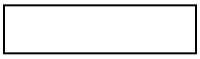
3. Search:

Through this HR can find resumes from browsed directory on the basis of provided keyword.

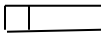
3. DATA FLOW DIAGRAM

DFD

The Data Flow Diagram shows the flow of data. It is generally made of symbols given below:

(1) A **square** shows the Entity: - 

(2) A **Circle** shows the Process: - 

(3) An **open Ended Rectangle** shows the data store: -- 

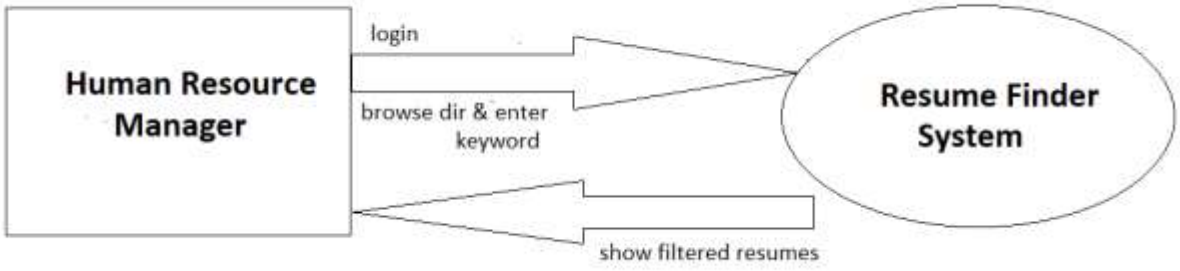
(4) An **arrow** shows the data flow:-

The DFD can be up to several levels. The 0 level DFD states the flow of data in the system as seen from the outward in each module.

The first level DFD show more detail, about the single process of the 0 level DFD

The second level DFD can show even more details and so on.

Context Level DFD



4. E-R Diagram

Definition:

An entity-relationship (ER) diagram is a specialized graphic that illustrates the interrelationships between entities in a database. ER diagrams often use symbols to represent three different types of information. Boxes are commonly used to represent entities. Diamonds are normally used to represent relationships and ovals are used to represent attributes.

Entity Relationship (ER) diagram:

This diagramming technique is used to visually present a database schema or data model and was original proposed by Chen in the 1970s. There are many different data modeling notations; some are very similar to UML class diagrams (with the exception of operations). However, the notation the used here is slightly different, as proposed by Elmasri, et al.
The database schema for this system is shown in figure. The table object has been left out of the diagram because the table management feature set had been dropped from the requirements before this stage of the design process.

Some important database design decisions are as follows:
_ To store the total price of an order with the order rather than calculating it on the fly when looking at past orders. This is because the price of menu items could change at any time, so the total price at the time of ordering must be stored so that the total price is not incorrectly calculated in future.

_ Similar to the previous point, the order receipt is stored as a hard-copy and not regenerated when reviewing past orders because things such as the restaurant name or VAT percentage are subject to change. Receipts stored need to be exactly the same as the customer copy in case of
dispute.

Note: In this project we have not used any database table since it is related to analysis and we read data from docx files which are unstructured so there is no need of ERD .

5. Language/Libraries/Tools

Front End :

Python tkinter

Back End :

Python and DataScience

Libraries :

- ✓ tkinter
- ✓ docxpy
- ✓ os
- ✓ pyinstaller

Other S/W :

- ✓ Python3.x
- ✓ IDLE
- ✓ Anaconda(jupyter lab)