Project Requirements Document

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Project Description:

The **Skill-Scanner** is a software application that will be very helpful to the current and future recruiters and job hunters. The goal is to build a database that allows recruiters and job hunters to search for certain skills required for the specific jobs that they are trying to fill/trying to acquire. It will also enable recruiters or job hunters to organize potential applications based on how well they meet the criteria. Saving time and effort by searching based off skills instead of job title are two very important/crucial features of this application. One of the pros this application will have compared to its competition is job searching by skillset. Low capital requirements and potential growth across numerous systems are additional pros.

2.0 System Environment:

Structure of the System: In a separate page

Hardware: Computer (4GB)

Software: Windows/Mac

Database(RDBMS): MySQL (version 5.7)

Application Languages: Python 3.0, Django

Functional Requirements:

3.1 Application must allow users to login and logout.

Description: Users access the application by logging in with a valid username and password. Successful log-in will redirect users to their account where they will be provided with the main menu. Failed log-in will show the user an error describing what went wrong and ask them to try log-in again and keeps track of how many times the user entered a wrong password or user name. If the user fails to log-in three times, the account they are trying to access will be locked. The user has to create a new password after responding to the security question that they created.

3.2 Application must allow users to create an account:

Description: There will be two options for creating the account: applicant and recruiter. Applicant is able to make a profile in order to post their resumes and the skills they have. On the other side, recruiters will be able to make their profile in order to search for required skills needed for the specific job posting they are attempting to fill. Users that do not have an existing account can create one using a username, password and a security question that will be used in case log-in fails three times or more. Password should have 8 to 16 characters (a-zA-Z, symbols and 0-9) and encrypted.

3.3: Reset Password:

Description: After user clicks on "Reset Password" button, a pop up dialog that contains User Name and Security Question will be shown to the user. If the user name and the answer to the security question is correct, the user will be forwarded to "update information" page (S1.1.b). If user enters an incorrect answer 3 times, the account that the user is trying to access will be locked.

3.4: Reset Password Dialogue:

Description: This dialogue will be shown to the user after clicking on "Reset Password" button and it should have these fields: user name, password, confirm password inputs and a submit button.

3.5: Scan Resumes:

I- Recruiter:

Description: Recruiters should be able to:

- o Upload resume(s)
- o Select a company
- o Select required skills and other desired requirements

o   Get result as a list of applicants ordered from most qualified to least qualified

II- Applicants:

Description: Applicants should be able to:

o   Upload a resume
o   Select company entrusted in
o   Select their acquired skills
o   Find out whether their skills match that company's requirements and see what skills they may be missing

Non-Functional Requirements:

• Graphical User Interface:

Description: Application will be providing users with a GUI

built using Python.

• Access Control:

Description: Users should wait no more than 30 seconds to get a scan result.