PrioriSkill

Requirements Document

Table of Contents

Introduction

The most popular and up-to-date skills can be found in the latest job listings. PrioriSkill, a tool designed to allow job seekers and career builders the ability to enter in job listings that are aligned with their desired path and displays a customizable list of skills, ranked by the frequency that the skill appears in the job description and requirements. Users can cluster similar skills or skills that have multiple names into one skill. They can also look for specific phrases and filter out words that are not relevant to them. The more jobs entered in, the more useful the information becomes.

User Stories

Epics, Iteration 1

1. As a new user, I want to create a new account, in order to save my data to access later.
2. As a user, I want to log into my account, in order to access my saved data.
3. As a user, I want to add the skills from a new job listing, in order to see what skills are the most popular.
4. As a user, I want to view a list of skills prioritized by number of occurrences, in order for me to know which skills are most important for me to develop.

Detailed Stories, Iteration 1

1. As a user, I want to enter some basic personal information, in order to create a new account.
   - Name, email, password, password confirm.
   - If one or more fields are not filled out, give a warning, do not accept.
   - If email is not a valid email address, give a warning and do not accept.
   - Email cannot match an email that already exist in database.
   - If email matches an existing email
   - If password is not adequate, give a warning and do not accept.
   - If password and password confirm do not match, give a warning and do not accept.
   - When finished, User is notified of successful completion and redirected to the log in page.
   - When completed, a new entry is created.
   - New entry data matches the data entered.
2. As a new user, I want to receive a confirmation email, in order to know my account was successfully created.
   - Account created, email sent.
   - Email sent to the correct email address.
3. As a user, I want to enter my email and password, in order to log into my account.
   - If one or more of the fields are not filled out, give a warning and do not accept.
   - If email is not in database, account does not exist.
   - If password does not match the password in the database, do not authorize.
   - If password matches, authorize.
   - Change last login to current time.
   - Redirect to skills list page.
   - Skills on list should match account logged in to.

4. As a user, I want to view my account information, so I can see the information I have entered.
5. As a user, I want to edit my account information, so I can fix or change my information.
6. As a user, I want to view a list of skills prioritized by occurrence in job entries, in order to see which skills occur the most often.
   - List of skills displayed.
   - By default in order of rank in ascending order and occurrences in descending order.
     - Ranks should be less than or equal to next.
     - Occurrences should be greater than or equal to the next.
7. As a user, I want to sort my skills by rank/occurrences or by name, in order to quickly view them.
   - When sort change, test that orders change correctly.
8. As a user, I want to sort my skills in ascending or descending order, in order to quickly find and view certain skills.
   - When sort change, test that orders change correctly.
9. As a user, I want to add a new job, in order to add more skills to my list.
   - Job title, company and description, entered.
   - When submitted, new job entry is created.
   - Job title and company name short be unique (primary keys)
   - Job details match data entered.
   - Date created is added to the database.
   - Shortened description created and added to database.
   - Word list created and added to database.
     - Should contain the words from the description, minus the filtered words.
     - Skills list should be updated with the new words.
   - Displays on the top of the list sorted by date descending.
10. As a user, I want to view the list of words that will be added by the new job, in order to preview the job details before submission.
    - Should contain the words from the description, minus the filtered words.
    - Not entered until confirmed.
11. As a user, I want to delete words on the job details preview, in order to customize my skills list.
    - When deleted, should no longer be on the list to be added.
12. As a user, I want to view a list of jobs I have added, in order to see the jobs in my database.
13. As a user, I want to view the details of a job, in order to review the data.
    - Details view should match the details of the job selected.
14. As a user, I want to edit a job, in order to correct errors.
    - Words list should be updated.
    - Short description should be updated.
    - Date created/updated should be changed.
      - Displays on the top of the list sorted by date descending.

- Skills list should be updated to match new data.
15. As a user, I want to delete a job, in order to remove jobs that are no longer relevant.
    - Job should be removed from database.
    - Job should no longer display on list.
    - Words list should be updated.
    - Skills list should be updated to match new data.
16. As a user, I want to sort jobs by date, job title, or company name, in order to quickly see or edit specific jobs.
17. As a user, I want to job jobs in either ascending or descending order, in order to quickly locate and view jobs.
18. As a user, I want to search jobs by keyword, in order to see which jobs contain certain words.
    - All jobs filtered should contain the keyword.

Future Epics

- As a user, I want to filter out irrelevant words, in order to make my skills rank more customized and relevant.
- As a user, I want to group similar terms into one term, in order to organize and simplify my skills list.
- As a user, I want to reset my password, in order to access my account if I forget my password.
- As a new user, I want to be guided through my first use with an interactive tutorial, in order to quickly learn how to use the tool.
- As a guest, I want to try out the tool, in order to see if it would be useful to me.

Data Requirements

Create and log in to an account

A PrioriSkill account does not require extensively personal data. The basic information collected will consist of a name or nickname, a valid email address, and a password. In order to log in, only an email and password will be required. The account will be matched to the user's data by an account ID. The account should also store the date of creation and last log in.

Jobs- Add new, view, edit, and delete

When adding a new job, the user will be prompted to input a descriptive title and company name to identify the job and a description. From the description, a list of words will be extracted with the filter words filtered out. A shortened version of the description will be stored for displaying of the job list page along with a date indicating when the job was created or last edited.

Skills list

The skill in the list will consist of a list of words and the occurrence count from the job descriptions.

Default filter list

A default list of words to filter out irrelevant words when converting the descriptions to word lists.

ER Diagram