Data Set Presentation

Introduction

The [UCI Machine Learning Repository](#) hosts, amongst others, a collection of databases that are typically used by the machine learning community.

The data set of interest for this task, which you may (or may not) be pleased to learn is not about machine learning, is the [Anonymous Microsoft Web Data Data Set](#).

THE FOLLOWING IS A DIRECT COPY/PASTE FROM THE ABOVE URL:

> ***Data Set Information***:
> *We created the data by sampling and processing the www.microsoft.com logs. The data records the use of www.microsoft.com by 38000 anonymous, randomly-selected users. For each user, the data lists all the areas of the web site (Vroots) that user visited in a one week timeframe.*
>
> *Users are identified only by a sequential number, for example, User #14988, User #14989, etc. The file contains no personally identifiable information. The 294 Vroots are identified by their title (e.g. "NetShow for PowerPoint") and URL (e.g. "/stream"). The data comes from one week in February, 1998.*
>
> ***Attribute Information***:
> *Each attribute is an area ("vroot") of the www.microsoft.com web site.*
> *The datasets record which Vroots each user visited in a one-week timeframe in Feburary 1998.*

Task Requirements

The task is to create an application that allows the user to view, annotate and query the dataset by means of a web browser.

> Firstly:

- Within 24 hours, provide an estimate of the time required, in elapsed days, to complete the task.

> Then:

- Complete the user stories below.
- Your code should compile and run in one step.
- Test code is optional.
- Feel free to use whatever frameworks / libraries / packages you like.
- You are NOT obliged to retain the "DST" format - feel free to transform the data set format / structure as you see fit.

As a user running the application:

1. I want to view (browse through) all user records.
2. I want to edit/modify the name field of any user record.

3. I want to filter user records by the Vroot title attribute; i.e. only user records matching the defined Vroot should be displayed.
4. I want to search for records by name or Vroot title field.
5. I want to select multiple user records and save the selection as a named collection.
6. I want to view a list of named collections.
7. I want to edit/modify a collection by adding or removing user records from a collection.
8. I want to delete a collection.
9. I want to sort user records by name, whether in a filter or a collection or not.

Expected outputs

- Upfront Estimate: within 24 hours of receipt of this document
- Deadline for submission: based on the above estimate.
- Application source code
- A report detailing:
  - How to deploy and run the application (assume Chrome browser)
  - Reasons for specific design/layout of user interface components
  - Methods and approach used to solve problem
  - Problems or obstacles encountered and if and/or how they were overcome
  - Resources used with relevant references
- Answers to the following questions:
  - How long did you spend on the task?
  - What would you add to your solution if you had more time? If you did not spend much time on the coding test then use this as an opportunity to explain what you would add.

Evaluation Criteria

- Timely completion
- Quality of the application's UI and UX
- Quality of code
  - Consistent conventions
  - Documentation of source code
- Quality of the report
- Number of requirements that have been met
- Bonus points for implementing any extra features applicable to this problem i.e. surprise us!