UNIVERSITY OF MICHIGAN SCHOOL OF INFORMATION Database Applications

Assignment 9 - Database Application with Sorting - 100pts

Due Date: December November 5th, 2014 (demo in class or before)

Overview

In this assignment you will create an interactive application with which a user can sort the applications from the CollegeSchema.

Specifications

In this assignment you will create an application that displays the application data in a tabular view. The columns to return are sName, sID, cName, and major. Each view/query is worth 30 points.

STUDENT NAME	STUDENT ID	COLLEGE NAME	MAJOR
Amy	123	Stanford	CS
Amy	123	Stanford	EE
Amy	123	Berkeley	CS
Amy	123	Cornell	EE
Bob	234	Berkeley	BIOLOGY
Craig	345	MIT	BIOENGINEERING
Craig	345	Cornell	BIOENGINEERING
Craig	345	Cornell	CS
Craig	345	Cornell	EE
Craig	543	MIT	CS
Fay	678	Stanford	HISTORY
Helen	987	Stanford	CS
Helen	987	Berkeley	CS
Irene	876	Stanford	CS
Irene	876	MIT	BIOLOGY
Irene	876	MIT	MARINE BIOLOGY
Jay	765	Stanford	HISTORY
Jay	765	Cornell	HISTORY
Jay	765	Cornell	PSYCHOLOGY

Notice that I have styled the table, you should do the same. No two students displays should be the same. Everyone MUST have the data in the Major column in all caps. The styling is worth 10 points. I expect you to style the table, table headers, and body at a minimum.

The user can click on the Student Name, College Name, and Major headers. When they do, the table is displayed sorted by that particular column:

STUDENT NAME	STUDENT ID	COLLEGE NAME	MAJOR
Amy	123	Berkeley	CS
Bob	234	Berkeley	BIOLOGY
Helen	987	Berkeley	CS
Amy	123	Cornell	EE
Craig	345	Cornell	BIOENGINEERING
Craig	345	Cornell	CS
Craig	345	Cornell	EE
Jay	765	Cornell	HISTORY
Jay	765	Cornell	PSYCHOLOGY
Craig	345	MIT	BIOENGINEERING
Irene	876	MIT	BIOLOGY
Irene	876	MIT	MARINE BIOLOGY
Craig	543	MIT	CS
Amy	123	Stanford	CS
Amy	123	Stanford	EE
Fay	678	Stanford	HISTORY
Helen	987	Stanford	CS
Irene	876	Stanford	CS
Jay	765	Stanford	HISTORY

STUDENT NAME	STUDENT ID	COLLEGE NAME	MAJOR
Craig	345	MIT	BIOENGINEERING
Craig	345	Cornell	BIOENGINEERING
Bob	234	Berkeley	BIOLOGY
Irene	876	MIT	BIOLOGY
Amy	123	Stanford	CS
Amy	123	Berkeley	CS
Craig	345	Cornell	CS
Helen	987	Stanford	CS
Helen	987	Berkeley	CS
Irene	876	Stanford	CS
Craig	543	MIT	CS
Amy	123	Stanford	EE
Amy	123	Cornell	EE
Craig	345	Cornell	EE
Fay	678	Stanford	HISTORY
Jay	765	Stanford	HISTORY
Jay	765	Cornell	HISTORY
Irene	876	MIT	MARINE BIOLOGY
Jay	765	Cornell	PSYCHOLOGY