CPSC203 – Introduction to Problem Solving and Using Application Software

Winter 2010

Tutorial 8: Mehrdad Nurolahzade

Introduction

- Quiz #2 notice
- Course project notice
- Assignment #2 notice
- Query analysis example

Quiz #2

- Tuesday, March 16, 17:00 – 17:50.
- You will submit a Microsoft Access database file (with the extension .accdb).
- Make sure Microsoft Access is closed before trying to upload to the Blackboard.
- Make sure you occasionally save your database during the quiz.

Course Project

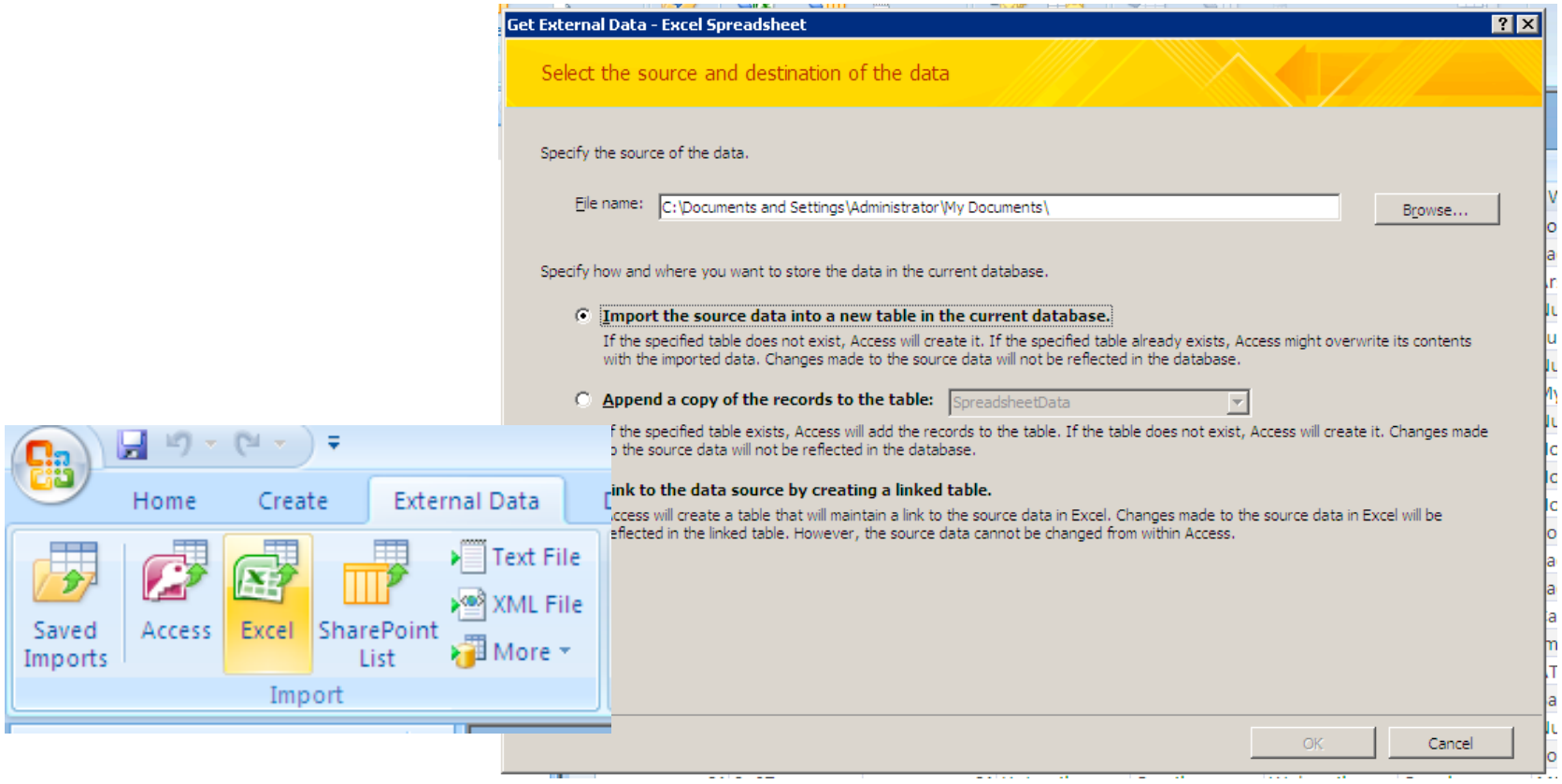
- Project description is not published yet.
- Project is an assignment designed for the final component of the lab (Programming).
- Project is worth 10% (quizzes and assignments are each is worth 7.5%).
- Project is done in teams of size TWO.
- Pair up with another student in this tutorial by the end of this week.
- Project is due Friday, 16 April.

Assignment #2

- Assignment #2 is due Tuesday, 23 March.
- Assignment has two parts each is worth 50%.
- For Part 1, the submission will include:
  - An ERD diagram and a database schema (in a .doc or .ppt file).
  - A database file (.accdb).
- For Part 2, the submission will include:
  - A database file (.accdb).

Query Analysis Example: Step 1

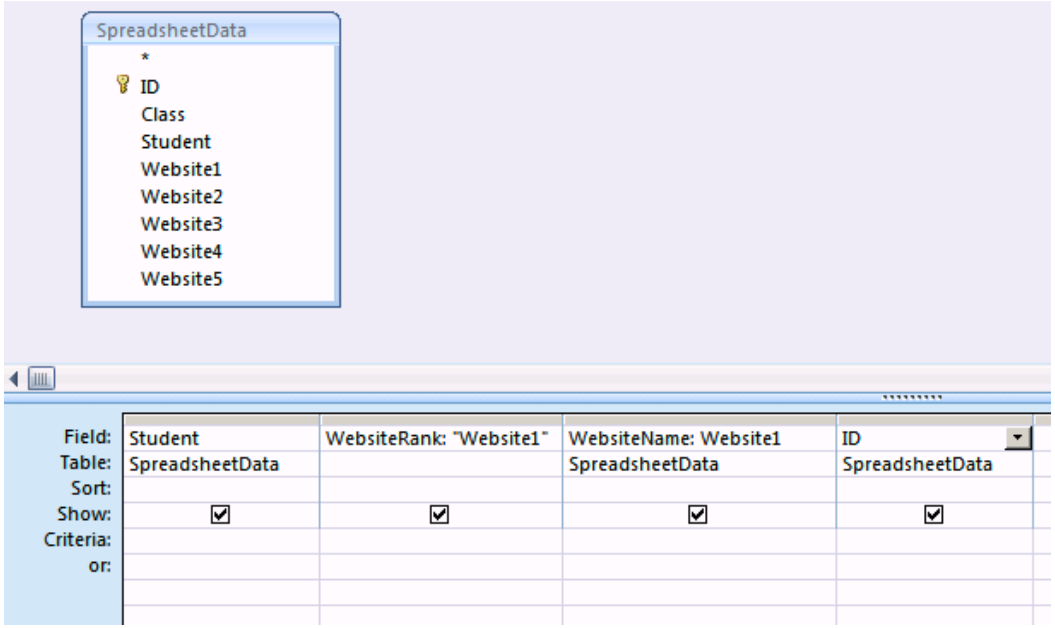
Import data from the Excel file into a table called **SurveyData**.



Query Analysis Example: Step 2

Create 5 queries from the imported **SurveyData** as follows:

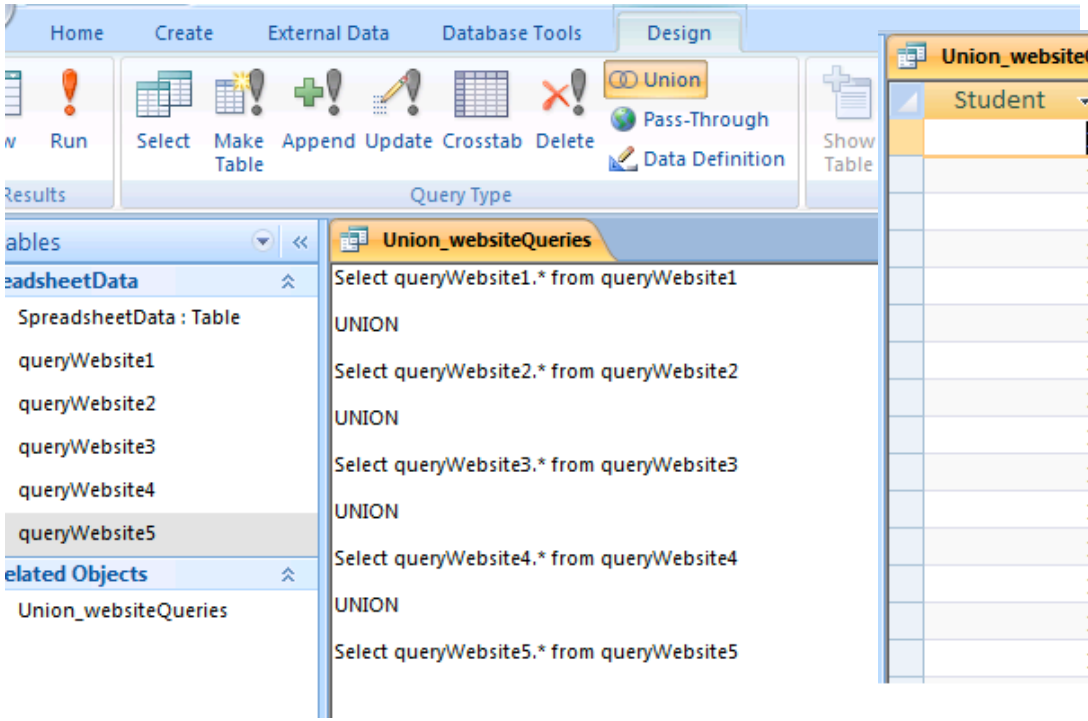
- One query selects websites of Rank1 (called **loadqry3a_selWebsite1**)
- One query selects websites of Rank2 (called **loadqry3a_selWebsite2**)
- One query selects websites of Rank3 (called **loadqry3a_selWebsite3**)
- One query selects websites of Rank4 (called **loadqry3a_selWebsite4**)
- One query selects websites of Rank5 (called **loadqry3a_selWebsite5**)



Student	WebsiteRan	WebsiteNan	ID
1	Website1	Hotmail	1
2	Website1	UofC	2
3	Website1	StockWatch	3
4	Website1	UofC	4
5	Website1	Google	5
6	Website1	Yahoo	6
7	Website1	Hotmail	7
8	Website1	Yahoo	8
9	Website1	Google	9
10	Website1	Google	10
11	Website1	Google	11
12	Website1	Google	12
13	Website1	TSN.ca	13
14	Website1	MSN	14
15	Website1	Yahoo	15
16	Website1	Facebook	16
17	Website1	Google	17
18	Website1	Hotmail	18
19	Website1	Facebook	19
20	Website1	Facebook	20
21	Website1	Hotmail	21

Query Analysis Example: Step 3

Create a union query that groups data from the 5 queries created in step 2 (called **loadqry3f_unionWebsiteInformation**).



Union_websiteQueries

Student	WebsiteRan	WebsiteNan	ID
1	Website1	Facebook	59
1	Website1	Hotmail	1
1	Website1	Men	29
1	Website2	Google	29
1	Website2	Yahoo	1
1	Website2	Youtube	59
1	Website3	Beyond	59
1	Website3	Facebook	1
1	Website3	UofC	29
1	Website4	Bank	1
1	Website4	NFL.com	59
1	Website4	Yahoo	29
1	Website5	Calgary Herald	29
1	Website5	Hypebeast	59
1	Website5	Youtube	1

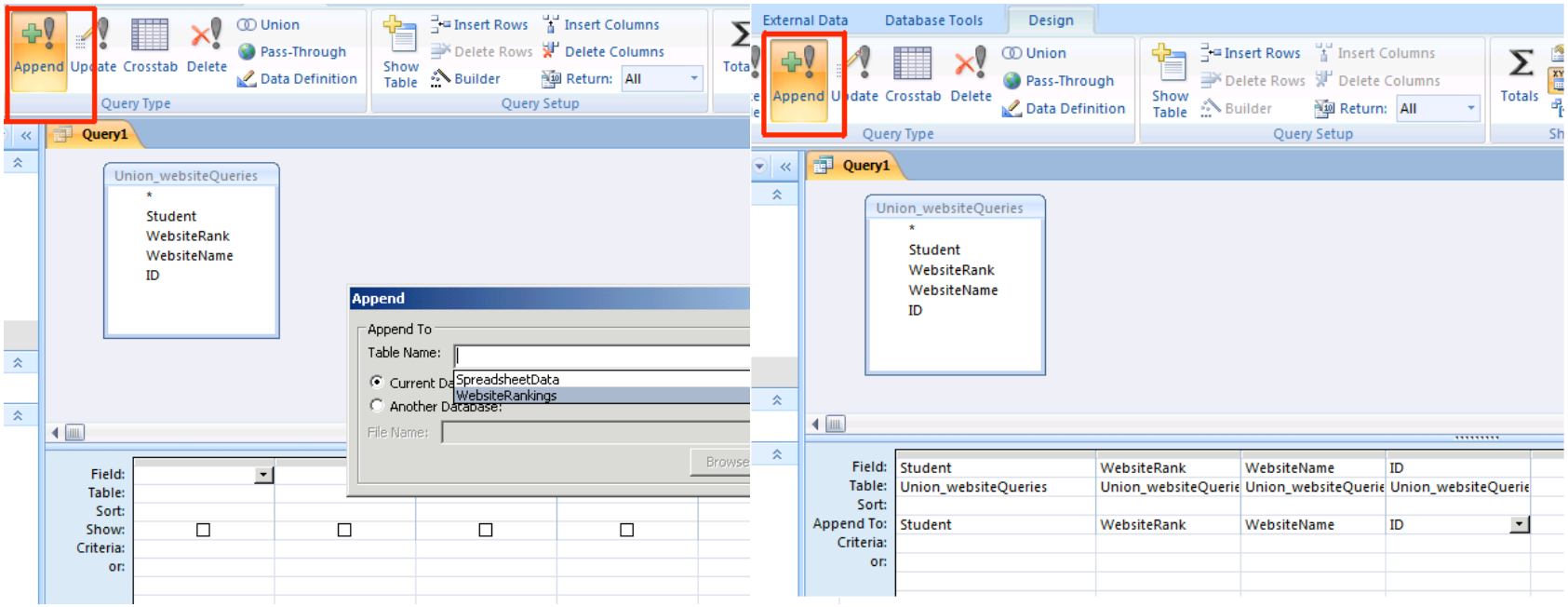
Query Analysis Example: Step 4

Create a new table called **WebsiteRankings** and keep it empty.

Field Name	Data Type
WebsiteRankID	AutoNumber
Student	Number
WebsiteRank	Text
WebsiteName	Text
ID	Number

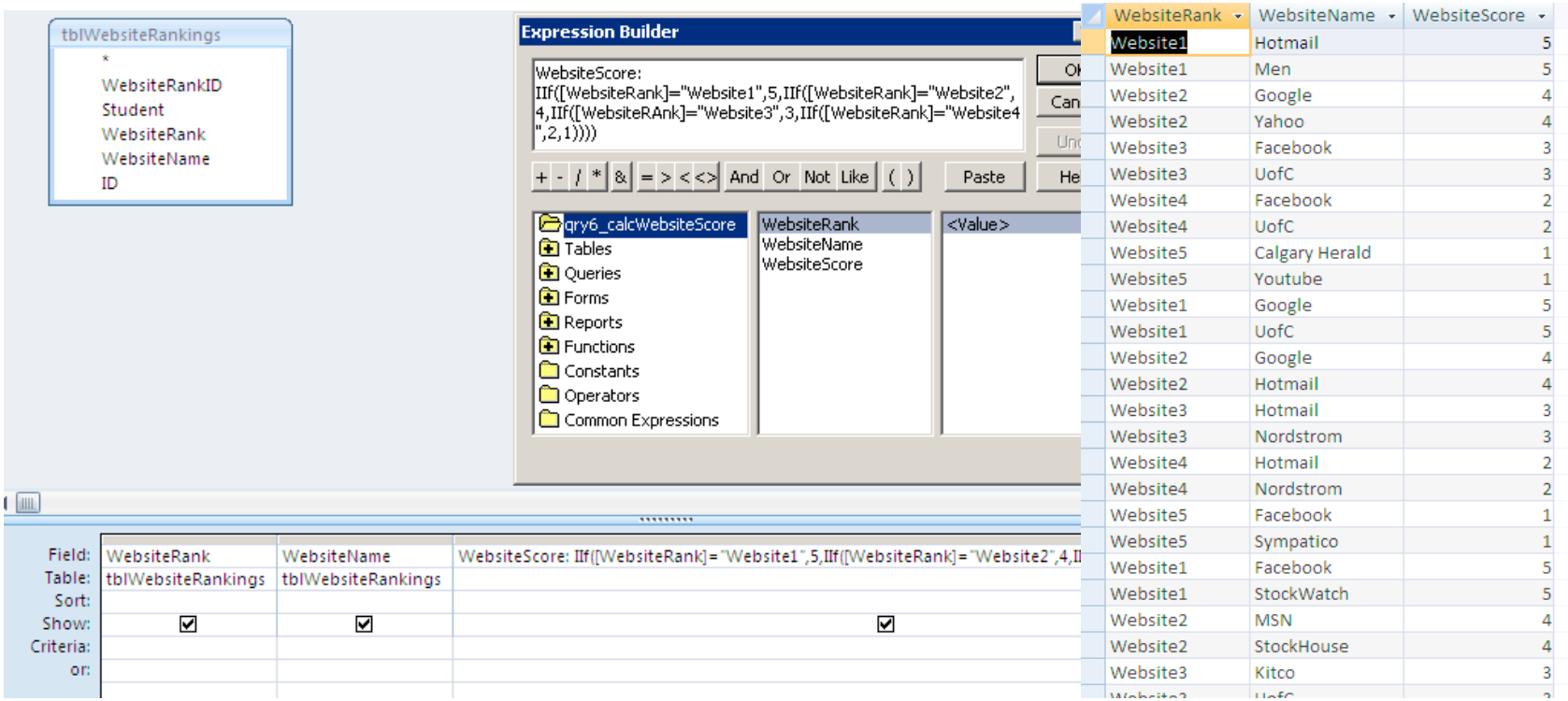
Query Analysis Example: Step 5

Create an append query that would use the data from the union query (in step 3) to populate that table. (called **loadqry3i_loadWebsiteRankings**).



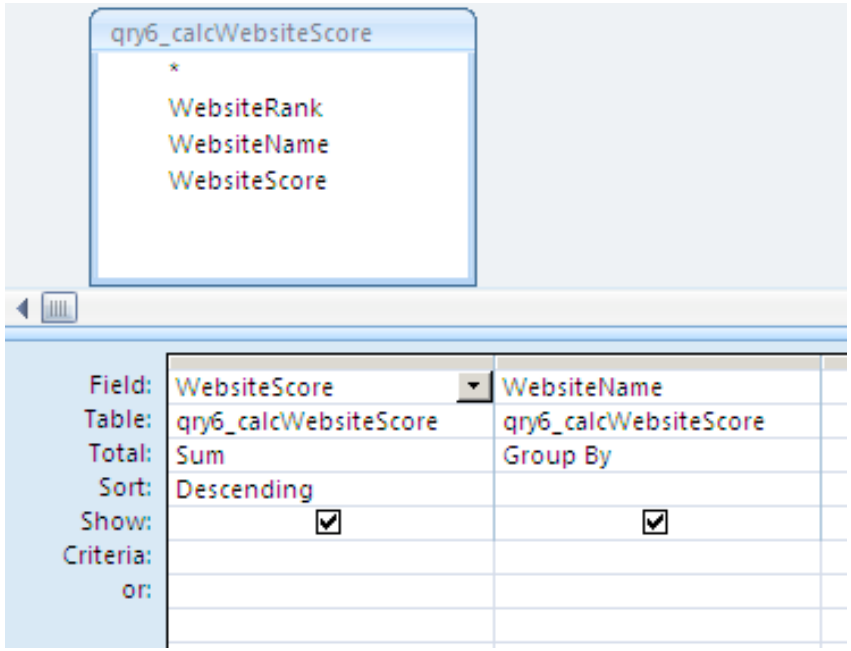
Query Analysis Example: Step 6

Create a query to calculate the scores for the different websites (called **analysisqry1_calcWebsiteScore**).



Query Analysis Example: Step 7

Create a query to summarize the calculated website scores (called **analysisqry2_summarizeWebsiteScores**).



SumOfWebsiteScore	WebsiteName
167	Facebook
165	Google
108	Hotmail
93	UofC
51	Yahoo
35	MSN
33	Wikipedia
28	Youtube
20	Null
13	Gmail
9	Webmail
9	NHL.com
6	Bank
5	Download.com
5	BlackBoard
5	Calgaryplus.com
5	Men
5	4Wheeler
5	Mininova.com
5	MySpace
5	Nordstrom
5	Kitco
5	Space.com
5	Xangha
5	Weather Network