**W1 Assignment "Customer Resource Management Database"**

Customer ID number – for this field I would choose INTEGER with length of 5 to 8 digits, depending on organization size and needs.

Customer First Name – per my research online, best practice for first name length is 35 characters, so I would use VARCHAR with length of 35 or shorter. (No spaces)

Customer Middle Initial – if we plan to store only one letter initial of middle name then I would go with CHARACTER with length of 1.

Customer Last name – same as first name, VARCHAR of 35 or shorter. (No spaces)

Customer street address – looks like VARCHAR (35) would work well for that.

Customer City – VARCHAR (35) if we plan to store international city names.

Customer State – CHAR (2) if states only, I assume that there are 2 character abbreviations for each state.

Customer Zip – VARCHAR (6) up to (9), some countries use non numeric codes as a zip.

Customer Phone number – INTEGER (10) and more, up to 15 numbers. (No spaces, assumed)

Customer Company ID Number – I would go with VARCHAR as well in this case, up to 35 integers including spaces.

Customer Company Name – VARCHAR (35)

Customer Company’s net worth – for currency we could use monetary “MONEY” or I would rather choose DECIMAL with precision of 2 or 4 for more accurate calculations.

Customer Company’s Earnings-Per-Share Ratio (scaled to tenths of a percent) – for this I would use DECIMAL (3) to store maximum value of 100.0, with floating point of 1 as per request for scaling to tenths of a percent.

Customer Company Number of Employees – INTEGER (length depends on size of the organization) ~ 6 numbers maybe.

Customer Company Incorporation Date – DATE

Customer Company Overview—IE What is their primary product or service? VARCHAR (50-300) depends on organization’s needs.

Reference:

<http://www.w3schools.com/sql/sql_datatypes_general.asp>

<http://ss64.com/sql/syntax-field-sizes.html>