Stage 3: Development Plan and Development Environment

Each group must submit a development plan report named Stage3\_YourID.doc (where yourID is the captain’s UANet ID). The development plan includes the following:

1. Describe the final choice of databases and software platforms/languages that you will be using.
   1. Team DataOrLore has decided to use the Microsoft toolset, including Visual Studio, SQL Server relational database and various tools in the Microsoft Azure environment.
2. The relational schema of your database. Remember to include all primary keys and other type of constraints.

CREATE TABLE tbl\_manf

(

manf\_id int NOT NULL PRIMARY KEY,

manf\_name char(60) NOT NULL,

manf\_yr\_founded int,

manf\_founder char(120),

manf\_logo varbinary(max)

);

GO

CREATE TABLE tbl\_model

(

model\_id int NOT NULL PRIMARY KEY,

model\_name nvarchar(60) NOT NULL,

model\_type nvarchar(60) NOT NULL, /\* computer, disk drive, cassette drive, printer, hard drive \*/

model\_released date,

model\_available date,

model\_lastsold date,

model\_ram int,

model\_ram\_denom nvarchar(10),

model\_cpu nvarchar(20),

model\_cpu\_speed int,

model\_os nvarchar(60),

model\_display nvarchar(60),

model\_bus nvarchar(60),

model\_ports nvarchar(60),

model\_num\_sold int,

model\_expansion nvarchar(60),

model\_price\_intro int);

GO

CREATE TABLE tbl\_countries (

countries\_id int PRIMARY KEY,

/\* two-letter standard country \*/

countries\_name varchar(40) NOT NULL);

GO

CREATE TABLE tbl\_users (

users\_id int PRIMARY KEY,

users\_lastname nvarchar(60) NOT NULL,

users\_firstname nvarchar(60) NOT NULL,

users\_emailaddress nvarchar(60) NOT NULL,

users\_password nvarchar(60) NOT NULL, /\* this needs to be better secured \*/

users\_interests nvarchar(500),

users\_city nvarchar(60),

users\_state nvarchar(60),

users\_country\_id int REFERENCES tbl\_countries(countries\_id));

GO

CREATE TABLE tbl\_blog\_entries (

blog\_id int PRIMARY KEY,

faq\_user\_ID int REFERENCES tbl\_users(users\_id),

faq\_timestamp datetime NOT NULL,

blog\_content nvarchar(1000));

GO

CREATE TABLE tbl\_FAQ (

faq\_id int PRIMARY KEY,

faq\_user\_id int REFERENCES tbl\_users(users\_id),

faq\_timestamp datetime NOT NULL,

faq\_title nvarchar(100) NOT NULL,

faq\_tags nvarchar(100),

faq\_content nvarchar(4000));

GO

CREATE TABLE tbl\_collection (

collection\_id int NOT NULL PRIMARY KEY,

collection\_user\_id int REFERENCES tbl\_users(users\_id),

collection\_public int NOT NULL, /\* Boolean \*/

collection\_model int REFERENCES tbl\_model(model\_id),

collection\_photo varbinary(max));

GO

CREATE TABLE tbl\_modelstagingtable

(

mst\_id int PRIMARY KEY,

mst\_name nvarchar(60) NOT NULL,

mst\_type nvarchar(60) NOT NULL,

/\* computer, disk drive, cassette drive, printer, hard drive \*/

mst\_released date,

mst\_available date,

mst\_lastsold date,

mst\_ram int,

mst\_ram\_denom nvarchar(10),

mst\_cpu nvarchar(20),

mst\_cpu\_speed int,

mst\_os nvarchar(60),

mst\_display nvarchar(60),

mst\_bus nvarchar(60),

mst\_ports nvarchar(60),

mst\_num\_sold int,

mst\_expansion nvarchar(60),

mst\_price\_intro int);

GO

CREATE TABLE tbl\_usergroup (

usergroup\_id int PRIMARY KEY,

usergroup\_name nvarchar(100),

usergroup\_email nvarchar(60), /\* contact email address \*/

usergroup\_desc nvarchar(200),

usergroup\_contact nvarchar(60), /\* name \*/

usergroup\_URL nvarchar(100), /\* website \*/

usergroup\_city nvarchar(60),

usergroup\_state nvarchar(60),

usergroup\_country nvarchar(2));

GO

1. Describe where and how you will get real data for your application. Do you get real data from the Web, or some other application?
   1. Most of the data gathered to this point has been harvested from various web sources. We have found excellent sources on Wikipedia in table format, which lend themselves to transformation into Excel tables for importation into our SQL Server database.
   2. In addition, we have reached out to other vintage computer enthusiasts to determine if they are willing to share data in whole, or in part, to our project.
2. Describe the tasks division among group members.
   1. The general division of labor for Team DataOrLore is the following:
      1. Jalan Niroula will be leading up the front end development of the project using PHP, Javascript and other web design tools in the Microsoft suite.
      2. Andy Weaver will head the back-end development, creating and modifying the schema, designing queries and stored procedures, as well as gathering vintage computer data from various web sources for importation into the ViCE Application.
3. Provide a project timeline with milestones