#### PACIFIC Introduction to Relational Databases

Valentino Software Installation and Database Access Class Instructor: Bijoy Bora



### Accessing PetStore Database

- The following slides steps through how to connect to the MSSQL database using the Valentino Software.
- And shows the steps to query the first question of the Sample PetStore queries discussed in the class



# **Open Valentino app**

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### **Connect to MSSQL**

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## **Select Query Editor**

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# Query editor

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#### Select Name, Category, Breed, DateBorn

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# **Check query Result**

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| AdoptionGroup  | 3         | <null><br/>Rosie</null>  | Fish<br>Cat  | Shark<br>Oriental  | Jan 1 2013 12:<br>Aug 2 2013 12  | - |                 |                    |        |
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# **Click under filter cell for DateBorn**

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### Add filter > August 1

| SuperBowl<br>USstates<br>teams<br>students<br>eval_items<br>eval_items_scores<br>sysdiagrams<br>Event<br>Venue<br>Track<br>Speaker<br>SessionSpeaker<br>Session | - Sele | ect Query | <ul> <li>DateBorn</li> <li>Gender</li> <li>Registered</li> <li>Color</li> <li>Photo</li> <li>ImageFile</li> </ul> | SmallDateTin<br>NVarchar[5<br>NVarchar[10<br>Ima<br>NVarchar[25 | me:N<br>50]:N<br>50]:N<br>00]:N<br>50]:N |                  | Þ               |              |            |            |
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| Animal  | 1 🗹    | 2         | DateBo  | rn  |  | 🛃 [dbo].[Animal] | [dbo].[Animal]. | [DateBorn] > | '8.1.2013' |            |
| employee  |        |           |   |   |  |                  |                 |              |            |            |
|   |        |           |   |   |  |                  |                 |              |            |            |



### **Execute query**

|   | Undo            |        | ¥7                 |  |   |                  | -             |           |          |           |            |
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| ) 🚞 💾 🏠 💭 🔤   | Redo            |        | ት <mark>አ</mark> ረ | <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>   |   |                  |               |           |          |           | , <b>"</b> |
| Start Page 👂 🧕 S  | Cut             |        | X X                | ntitled1   |   |                  |               |           |          |           |            |
| ute SQL Open in SQL Edit  | Paste           |        | жс<br>ЖV           |  |   |                  |               | Database: | PetStore | 🚽 Qı      | iery:      |
| əs 🛛 🗠 Links 📗 Viev   | Clear<br>Select | All    | жа                 |  |   |                  | <u>-</u>      | Related C | bjects   | Relatio   | onship     |
| 00<br>  Customer<br>  Supplier  | Find<br>Find A  | nd Rep | ₩F<br>lace         | dbo].[Animal]  | ] ×   |                  |               | db<br>gu  | o<br>est |           |            |
| MerchandiseOrder  | Execut          | te     | же <sub>п</sub>    | AnimalID   |   |                  |               |           |          |           |            |
| OrderItem         Sale         SaleItem         SuperBowl         USstates         teams         students         eval_items         eval_items_scores         sysdiagrams         Event         Venue         Track         Speaker         SessionSpeaker |                 |        |                    | Category<br>Breed<br>DateBorn<br>Gender<br>Registered<br>Color<br>Photo<br>ImageFile | NVarchar[100]:N<br>NVarchar[100]:N<br>NVarchar[100]:N<br>SmallDateTime:N<br>NVarchar[50]:N<br>NVarchar[50]:N<br>NVarchar[100]:N<br>Image:N<br>NVarchar[250]:N |                  | •             |           |          |           |            |
| Room  |                 | Select | Query              | ∓ SELECT 🗵   | 3   |                  |               |           |          |           |            |
| Preterences<br>  Revision   |                 | 1 1    | Function           | Colum  | nn Alias  | Object           | Filter        | Or        | Group By | Sort Type | Sort Order |
| Category<br>  Breed   | 1               |        |                    | Name   |   | 🛃 [dbo].[Animal] |               |           |          |           |            |
| City  | 1               |        |                    | <ul> <li>Category</li> <li>Dress</li> </ul>  |   | [dbo].[Animal]   |               |           |          |           |            |
| AdoptionGroup   |                 |        |                    | <ul> <li>Breed</li> <li>DateBorn</li> </ul>  |   | [dbo].[Animal]   | [dbo].[Animal |           |          |           |            |
| Employee<br>Jest  |                 |        |                    | DutoDolli  |   |                  | [200][,       |           |          |           |            |



# Query result for Q1

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| Execute 🛛 💷 Open in SQL Editor   |  |               | Database: SetStore | Query:       |
| 🗄 Tables 🛛 🗠 Links 🛛 🔚 Views   |  |               | Related Objects    | Relationship |
| dbo<br>Customer<br>Supplier<br>Merchandise<br>OrderItem<br>Sale<br>Sale<br>SaleItem<br>USstates<br>teams<br>teams<br>vuluations<br>eval_items_scores<br>sysdiagrams<br>Event<br>Venue<br>Track<br>Second<br>SuperBowl<br>USstates<br>Event<br>Venue<br>Track<br>Second<br>SuperBowl<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>Event<br>SuperBowl<br>SuperBowl<br>USstates<br>Event<br>SuperBowl<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>Event<br>SuperBowl<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>USstates<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>USstates<br>SuperBowl<br>SuperBowl<br>USstates<br>Systates<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>SuperBowl<br>S | Image: Intervention of the second | <b>▼</b><br>▶ | dbo<br>guest       |              |
| Room Preferences   | Select Query F SELECT 🗵  |               |                    |              |
| Revision   | Name Category Breed DateBorn   |               |                    |              |
| Breed  | 1 Rosie Cat Orienta Aug 2 2013 12  |               |                    |              |
| City   | 2 Sherri Dog Siberia Sep 13 2013 1   |               |                    |              |
|  | 3 Odkley Dog Jack R Aug 9 2013 12  |               |                    |              |
|  | A Din Cat Scottis Aug 0 2013 12  |               |                    |              |
| guest  | b wallace Cat Offiel Aug 9 2013 12   |               |                    |              |
|  | 6 <null> FISH Shall Aug 2 2013 12</null>   |               |                    |              |
|  | 7 Bruce Dog Jack R Sep 20 2013 1   |               |                    |              |
|  | 8 Lorene Dog Coon H Sep 11 2013 12   |               |                    |              |



#### Other Software Options for Mac, Linux, and Windows

- SQuirreL <u>http://squirrel-sql.sourceforge.net/</u> (open source)
- DB Visualizer <a href="http://www.dbvis.com/">http://www.dbvis.com/</a> (freemium)
- Database Beaver <a href="http://dbeaver.jkiss.org/">http://dbeaver.jkiss.org/</a> (Open source)
- Adminer <u>http://www.adminer.org/</u> (linux oriented)
- Valentina Studio <u>http://valentina-</u> <u>db.com/en/studio/download</u> - Easy install on Mac



### Valentina Studio Mac Install

- Download Mac version
- Double click on disk image
- Choose get a free serial and enter it. Provide a valid email account. The serial # will be sent to this email account
- Copy and paste the serial number
- Click on Connect To. Select MSSQL as the server type
- Specify
  - Hostname = ec2-54-148-238-113.us-west-2.compute.amazonaws.com
  - Port = 1433
  - UserID = studentxx (xx = use any id from '01' to '60')
  - Password = uop123
  - Database = PetStore