Use this as a guide to the lecture presentation and take notes on your own.

| Slide | Notes |
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|  | Relational algebra questions are the most challenging on the quiz. |
|  | Architectural diagrams, swim lanes, UML class structure diagrams, etc. Very specific rules.  Security boundary – a dotted line that groups, if an arrow (data flow) crosses this boundary, it shows where there are possible breaches. |
|  | Describe the FLOW of data. Bad at describing conditions.  DFD’s do NOT reflect components (ie SQL Server, Word, Excel, etc)  Terminator – start or end a process/flow. Cannot have an arrow going into AND out of it. They are processes that generate data or consume data.  Store – Text file, some database. Do not name it after what it is physically, should be called after what is stored in it, such as, images, patient info, etc. |
|  | Process – The process named should be a very. Capture light, capture image for a camera for example.  Data – Similar to open boxes. |
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|  | Plurality is always implied when naming terminators. |
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|  | Eat is a verb  Eat lunch is a very  If hungry eat lunch is a control  Lunch is correct |
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|  | Lunch (bottom right) is no Bueno, rest are correct. |
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|  | Top left to right:  Its fine but not a verb  Good  Good  Common but uncommon, SQL is a component (how are the salaries going to be used? Viewed?)  Good  Arrow going in and out, so bad. |
|  | Both sides the data is the same. |
|  | Fine  Bad—sql server is a bad name  Same as #1  Not good, they are terminators |
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|  | L0 DFD |
|  | L1 DFD (maybe L2) |
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