IST722: Unit 04 Participation Questions

**This is an individual assignment.**

**Before you begin, please make sure you’ve read and understand 1) our class honor code, 2) course policies on late work and 3) participation policies as posted on the syllabus. “I didn’t know” is not an excuse.**

**You should cite your sources in a standard format like MPA or APA and include a list of works cited.**

|  |  |
| --- | --- |
| Your Name: | Harsh Darji |
| Your Email: | hrdarji@syr.edu |

# Instructions

Answer each of the following questions as concisely as possible. More is not necessarily better. Please justify your answer by citing your sources from the assigned readings from our textbooks, our class lectures, or online if directed to do so. Be sure to cite in text and include a list of works cited. Place your answer below each question. When you’re finished, print out this document and bring it to class as part of your participation grade.

# Questions

1. From a methodology standpoint (not an architectural one), how do the Kimball and Inmon approaches to building a data warehouse differ?

|  |  |
| --- | --- |
| **Kimball Approach** | **Inmon Approach** |
| User Centric- Focusses on what we want. So, there’s a dialogue between stakeholders before we start building the product. | Data Centric approach- Focusses on what we have. Sometimes it’s difficult or not possible to provide with what our clients want. |
| Enterprise bus TA. DDS is user | Hub and Spoke TA. NDS is internal. |
| Waterfall model | Spiral model |
| Top Down approach (user first) | Bottom-up (data first) |

1. Describe some strategies for gathering requirements based on the readings. In your opinion, which strategies are best suited to data warehousing and why?

Some strategies for requirement gatherings are interview with business users, Data Audits-data profiling to assess capabilities of data, documentation which includes interview writeups, identifying business process, enterprise bus matrix, prioritization grid, issues list. Some other strategies to gather requirements are brainstorming with team members, document analysis, prototyping, reverse engineering and survey. In my opinion, interview with business users is the best strategy to gather requirements for data warehouse. We get the expectations as well the insight of business for which we are trying to build a data warehouse. Questions like below helps to bring clarity and thus implement data warehouse successfully.

1. What types of users do you have? (Static report users, analysts, etc.)
2. Do you “filter” the data?  Do you need data only at the top and bottom accounts?  Do you review the performance of only certain types of products?  Do you segment the data based on demographics?
3. How often do you obtain refreshes of the data?  Do you obtain them daily, weekly, monthly or quarterly?  Do you need it this often?
4. Is the data clean?
5. Do you receive the data in a timely fashion?
6. Do the tools you use support your requirements?
7. What types of things would you like to do that you can’t do today?
8. What is your data availability?

WORKS CITED:

Inmon, W. H. Building the Data Warehouse, Fourth Edition. John Wiley & Sons., 2005.

Kimball, Ralph, and Margy Ross. The Data Warehouse Toolkit: The Definitive Guide to Dimensional Modeling, Third Edition. John Wiley & Sons. 2013. Books24x7.