# NoSQL Data Modeling Project & Presentation: Check List and Team Member Contribution Form

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Team Number:**  **Project Name:** | | | | | | | | |
|  | **Criteria** | **WEIGHT** | **DESCRIPTION** | **EXCELLENT**  **(10 PTS)**  **ALL** | **SATISFACTORY**  **(7 PTS)**  **MOST** | **BORDERLINE**  **(4 PTS)**  **SOME** | **INSUFFICIENT**  **(1 PT)**  **NONE** | **SCORE \* WEIGHT** |
| **INTERESTING Project Idea** | | | | | | | | |
| **1.** | **Project Definition:**  *Project Topic, Description & Requirements* | 10% | The project idea shows the following:   * Project description and scope definition is clearly identified/redefined; * Specifying data to be maintained, data constraints and business rules; * Identifying important insert, update, delete operations and transactions (minimum of 4 operations per each project member); * Identifying important data inquiries (minimum of 5 inquiries per each project member, a combination of simple and advanced useful business queries are preferable); |  |  |  |  |  |
| **DB DESIGN and DEVELOPMENT** | | | | | | | | |
| **2.** | **Document Model Design:** *Appropriateness and accuracy of Design* | 35% | The design has the following:   * 100% accuracy * Capture all data requirements explained in the proposal * Easy to understand with a nice diagram layout * Proper usage of embedded or referencing mechanism (should we avoid using join to obtain better performance) * Discussion on Schemaless and Polymorphic Schema   The design is tested with practical, sample data. |  |  |  |  |  |
| **3.** | **Graph Model Design:** *Appropriateness and accuracy of Design* |  |  |  |  |  |
| **4.** | **Document Model: Implementation & Demonstration**  **(Individually evaluated)** | 35% | * Data Population   + Make sure to have enough data inserted into the data store * The implemented operations, transactions and queries completely fulfils the project requirements (set at the proposal stage), is practical and useful in a real-world scenario. * The implementation is well demonstrated. It is interesting and effective in conveying ideas. * Selected usage scenarios and queries are correctly implemented and tested. |  |  |  |  |  |
| **5.** | **Graph Model: Implementation & Demonstration**  **(Individually evaluated)** |  |  |  |  |  |  |
| PRESENTATION | | | | | | | | |
| **4.** | **Presentation & Communication**  **(Individually evaluated)**  *The oral presentation does not exceed the time allotment. It is tight, focused, and clearly explains the project.* | 20% | * Oral presentation keeps to the time limit and is focused. * Main ideas are expressed clearly and convincingly. * Q&A session is well managed and questions can be properly addressed. |  |  |  |  |  |

# Work Distribution and Contribution

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| --- | --- | --- | --- | --- | --- |
| **Task** | **Member#1**  **[Name]** | **Member#2**  **[Name]** | **Member#3**  **[Name]** | **Member#4**  **[Name]** | **Member#5**  **[Name]** |
| **1. Project Definition:** |  |  |  |  |  |
| **2. Document Model Design** |  |  |  |  |  |
| **3. Graph Model Design** |  |  |  |  |  |
| **4. Final Presentation** |  |  |  |  |  |

**For each data operation/query, specify its type regarding the syntactic dimension and semantic dimension as well as the members who implement it.**

**For Document Model and Graph Model if the operations / queries are different or implemented by different members, etc., specify them in two separate tables below.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Member** | **List and Description of Data Operation/Query Implemented** | **Query Type : Semantic Dimension** | |
| **OTP?** | **BP/BT/CA/PA/REC** |
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**Remark: Types of Query: Semantics Dimension**

* (OPT) Basic Operation/Transaction Support
* Data Intelligence and Customer Insight Support
* (BP) Business Performance Analysis
* (BT) Basic Trend Analysis
* (CA) Customer Analysis
* (PA) Product Analysis
* (REC) Suggestion or Recommendation of Products / Services to Users using history data