**Database Design Review Checklist**

Project Code: Tính phí bảo hiểm xã hội

Version of the work product

Reviewer(s) : Trần Thế Tiến

Review date: 19/04/2020

Work product' size

Effort spent on review (man-hour)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question** | **Yes** | **No** | **N/A** | **Note** |
| **Logical Design** |  |  |  |  |
| Is the database adequately normalized? | x |  |  |  |
| Are all the attributes in the design required? | x |  |  |  |
| Is the primary key of each entity correct? | x |  |  |  |
| Are entities normalized based on their primary key? | x |  |  |  |
| Are relationships between entities correct? | x |  |  |  |
| Check for circular relations |  |  | x | Không biết |
| **Physical Design** |  |  |  |  |
| Does the physical design correspond to the logical design? | x |  |  |  |
| Are the size and type of fields correctly specified? | x |  |  |  |
| Are the necessary indexes created for the tables? |  |  | x | Không có |
| Has a check been made of the effect of the DBMS product on the  design? |  |  | x | Chưa có |
| Can the DBMS product handle the required volume? | x |  |  |  |
| Has the impact of performance been checked due to alternate  indexes? |  |  | x | Chưa kiểm tra |
| Has controlled de-normalization been done in the context of the  selected DBMS product? | x |  |  |  |
| Is the database design flexible enough to allow addition of fields in  future? | x |  |  |  |
| Check if tables for codes/defaults are generic enough? | x |  |  |  |
| Who owns the database objects? (If that is possible) |  |  | x | Không biết |
| How is back up/restore handled, if that is DB object specific or  application specific? |  |  | x | MySQL có cơ chế này |
| Check for database coding standards | x |  |  |  |