Bài tập nhóm: Review cho nhóm của mình

Nhóm 9

Các nội dung:

* SRS review
* GUI
* Database
* Web
* Code
* Database design

SRS Review Checklist

**Project Code**: BHXH-01

**Version of the work product:** 1.0

**Reviewer**: Nguyễn Thị Thu

**Review** **date**: <19-04-2020>

**Work product' size**:

**Effort spent on review (person-hour): 2 hours**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question** | **Yes** | **No** | **N/A** | **Note** |
| **Document Control** |  |  |  |  |
| Verify whether document control procedures have been followed by checking for the following: |  |  |  |  |
| Does the title page contain the document name, version number, name and logo, project code, document code and issued date? | x |  |  |  |
| Does the header and footer correctly specify the name, and version of the document? | x |  |  |  |
| Does the page – numbering scheme indicate the total number of pages in  the document? | x |  |  |  |
| Have details been entered in the ‘Approval’ and ‘Reviewers’ fields in  Signature page? | x |  |  |  |
| Is the history traceable? | x |  |  |  |
| Are all documents checked Spelling and Grammar in MS Word or similar  tools? | x |  |  |  |
| **Overview** |  |  |  |  |
| Are the system objectives stated clearly? | x |  |  |  |
| Are requirements documented in a readable form: | x |  |  |  |
| 1. Requirements are grouped logically | x |  |  |  |
| 2. Requirements are described in sufficient detail | x |  |  |  |
| 3. Requirements are stated precisely | x |  |  |  |
| 4. Diagrams are simple | x |  |  |  |
| **Organization and Completeness** |  |  |  |  |
| Are all internal cross-references to other requirements correct? | x |  |  |  |
| Do the requirements provide an adequate basis for design? | x |  |  |  |
| Is the implementation priority of each requirement included? |  | x |  | Chưa đề cập đến yêu cầu ưu tiên |
| Are algorithms intrinsic to the use-case defined? |  |  | x | Chưa rõ |
| Is any necessary information missing from a requirement? If so, is it identified as to- be-determined marker |  |  | x | Chưa đề cập |
| Is the expected behavior documented for all anticipated error conditions? | x |  |  |  |
| **Correctness** |  |  |  |  |
| Do any requirements conflict with or duplicate other requirements? | x |  |  |  |
| Is each requirement verifiable (such as by review, testing, demonstration, or analysis)? | x |  |  |  |
| Is each requirement in scope for the project? | x |  |  |  |
|  |  |  |  |  |
| Can all of the requirements be implemented within known constraints? | x |  |  |  |
| Are any specified error messages unique and meaningful | x |  |  |  |
| **Quality attributes** |  |  |  |  |
| Are all performance objectives properly specified? | x |  |  |  |
| Are all security and safety considerations properly specified? | x |  |  |  |
| Are other pertinent quality attribute goals explicitly documented and quantified, with the acceptable trade-offs specified? |  | x |  | Chưa có |
| **Traceability** |  |  |  |  |
| Is each requirement uniquely and correctly identified? | x |  |  |  |
| Is each software functional requirement traced to a higher-level requirement (ex. System requirement or use case)? |  | x |  | Chưa có yêu cầu |
| **Special Issues** |  |  |  |  |
| Are all requirements actually requirements, not design or implementation solutions? | x |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question** | **Yes** | **No** | **N/A** | **Note** |
| **Document Control** |  |  |  |  |
| Are the time-critical functions identified and their timing criteria specified? |  |  | x | Các chức năng thời gian giới hạn và chỉ định chưa cụ thể |
| **External interfaces** |  |  |  |  |
| Check whether interfaces with other systems are described |  | x |  | Chưa có mô tả kiểm tra |
| **Operating environment** |  |  |  |  |
| *Hardware* |  |  |  |  |
| Check whether the required hardware is described | x |  |  |  |
| *Software* |  |  |  |  |
| Check whether specific software requirements are documented | x |  |  |  |
| *Network* |  |  |  |  |
| Check whether networking Issues and connectivity requirements are documented | x |  |  |  |
| *Communication* |  |  |  |  |
| Check whether specific communication requirements are documented | x |  |  |  |
| **Special user requirements** |  |  |  |  |
| *Multi Language support* |  | x |  | Chưa hỗ trợ đa ngôn ngữ |
| *Is any security required?* | x |  |  |  |
| *Check whether availability requirements are documented* | x |  |  |  |
| *Audit Trail* |  | x |  | Chưa có biên bản kiểm tra |
| *Transaction Volume & Data Volume* |  |  | x | Chưa rõ |
| *Backup & Recovery* |  |  | x | Chưa đề cập đến lưu trữ dự phòng |
| *Legal* | x |  |  |  |
| *Data Migration* |  |  | x | Chưa xác định |
| *Data Retention\** | x |  |  |  |
| *Installation* | x |  |  |  |
| *User Training* | x |  |  |  |
| *User Manual & Help* | x |  |  |  |
|  |  |  |  |  |
| **For QA checking** |  |  |  |  |
| Does SRS cover all requirements in Specs and Q&A list? | x |  |  |  |
| How many items in SRS are TBD? |  |  | x | Chưa xác định |
| Are TBD requirements recorded in Q&A list to clarify with customer? | x |  |  |  |
| If TBD requirements are more than 10%, does Project Director approve SRS? |  |  | x | Xem xét |
| Check review comments, if comments are not available, must request Project Director to review and approve SRS. |  | x |  | Chưa có bản đánh giá comments |
|  |  |  |  |  |
|  |  |  |  |  |
| <Add more rows if needed> |  |  |  |  |

# Comments

* **Suggestion**

[37] - Pass

[7] - Review again

[8] – Other

**Code Review Checklist**

**Project Code:** BHXH-01

**Version of the work product:** 1.0

**Reviewer(s)** Nguyễn Đình Thắng

**Review date <**17/04/2020>

**Work product' size**

**Effort spent on review (man-hour): 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question** | **Yes** | **No** | **N/A** | **Note** |
| **General** |  |  |  |  |
| Does the code follow the Coding Convention? |  | x |  | Tên biến đặt không đúng quy chuẩn (VD: a,b, jLabel1 …) |
| Is the code self-documenting? Is it possible to understand the code from reading it? | x |  |  |  |
| **Commenting** |  |  |  |  |
| Are comments up to date? |  |  | x | Code không có comment |
| Are comments clear and correct? |  |  | x | Code không có comment |
| Do the comments focus on explaining why, and not how? |  |  | x | Code không có comment |
| Are all surprises, exceptional cases, and work-around errors commented? |  |  | x | Code không có comment |
| Is the purpose of each operation commented? |  |  | x | Code không có comment |
| Are other relevant facts about each operation commented? |  |  | x | Code không có comment |
| **Source code** |  |  |  |  |
| Does each operation have a name that describes what the operation does? | x |  |  |  |
| Do the parameters have descriptive names? | x |  |  |  |
| Is the normal path through each operation, clearly distinguishable from other exceptional paths? | x |  |  |  |
| Is the operation too long, and can it be simplified by extracting related statements into private operations? |  | x |  | Code dài, thường chỉ có 1 hàm, chưa tách thành các hàm nhỏ |
| Is the operation too long, and can it be simplified by reducing the number of decision points? (A decision point is a statement where the code can take different paths, for example, if-, else-, and-, while-, and case-  statements.) | x |  |  |  |
| Is nesting of loops minimized? | x |  |  |  |
| Are the variables well named? |  | x |  | Tên chưa đặt đúng chuẩn. VD: jLabel2, dm, t,r |
| Is the code straightforward, and does it avoid "clever" solutions? | x |  |  |  |
| Are there general description for the uninterrupted software coding paragraphs ? |  |  | x | Code không có comment, mô tả |
| Each time a coding paragraph is updated, are there also description of the change ? |  |  | x | Code không có comment, mô tả |
| Do complicated coding paragraphs, which may cause misunderstanding  and confusion have comments and explanations ? |  | x |  | Chưa có comment cho đoạn code dài |
| Are structural code paragraph indented according to the structure if it is multi-lined. | x |  |  |  |
| Does the command line contain more than one command in a line | x |  |  |  |
| Are break sign used when the command line is too long? | x |  |  |  |
| Are the command lines which are linked with the previous lines indented just as the next level ? | x |  |  |  |
| Are variable names different from other object names? | x |  |  |  |
| Are functions named in a common way? | x |  |  |  |
| Are global functions differentiated from local functions by name? | x |  |  |  |
| Does function name have meaning? | x |  |  |  |
| Do object names have meaning and comply with general standards of developing tools? | x |  |  |  |
| Is the way of naming folders and libraries identified in designing document? | x |  |  |  |
| Are Folder names and types in conformity with the content and standard of developing tools? | x |  |  |  |

**Comments**

**Suggestion**

**[ 18 ] - Pass**

**[ 4 ] - Review again**

**[ 8 ] - Other**

**Database Design Review Checklist**

**Project Code**: BHXH-01

**Version of the work product**: 1.0

**Reviewer**: Trần Thế Tiến

**Review date**: <19-04-2020>

**Work product' size**:

**Effort spent on review (person-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 |  |  |  |

**Comments**

**Suggestion**

**[ 12 ] - Pass**

**[ 0 ] - Review again**

**[ 6 ] - Other**

GUI Review Checklist

**Project Code** : Hệ thống tính phí bảo hiểm xã hội

**Version of the work product**: 1.0

**Reviewer (s)** : Trần Đình Thảo

**Review date** : 19/04/2020

**Work product' size**

**Effort spent on review (man-hour)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question** | **Yes** | **No** | **N/A** | **Note** |
| Is graphical design of GUI reviewed or accepted by customer? If not | x |  |  |  |
| Has the waiver been stated? | x |  |  |  |
| Is one button set to be default? | x |  |  |  |
| Are the controls ordered according to normal behavior (Microsoft Style)? | x |  |  |  |
| Are all labels aligned uniformly? | x |  |  |  |
| Are text areas aligned uniformly? | x |  |  |  |
| Are there any spelling mistakes? | x |  |  |  |
| Are all non-enterable text areas of the same color (gray)? | x |  |  |  |
| Is the tab sequence correct? | x |  |  |  |
| Is cursor becomes hourglass when doing background processing? |  | x |  | Không có đồng hồ cát khi xử lí nền |
| Does cursor return to pointer after the task? | x |  |  |  |
| Do all fields match data length? | x |  |  |  |
| Do enterable fields accept entry only for the given lengths of String e.g. char (30)? |  | x |  | Không qui định độ dài của chuỗi nhập vào |
| Are abbreviations used? If yes | x |  |  |  |
| Are they understandable for end users? | x |  |  |  |
| Are they consistently used across all screens? |  | x |  | Chỉ sử dụng viết tắt ở một màn hình |
| Are both mouse and key strokes handled? | x |  |  |  |
| Are the color combinations used on screens consistent? | x |  |  |  |
| Is the usage of the screens intuitive? | x |  |  |  |
| If hotkeys or accelerator keys used, is it consistent? |  |  | x | Không có các phím tắt nhanh |
| If yes to the above, has this been tested? |  |  | x | Không có các phím tắt nhanh |
| Are error messages displayed in non-technical terms and are understandable to the user? | x |  |  |  |
| Are the error messages informative and not blaming the user? | x |  |  |  |
| Before an action that affects the system (such as a delete) is performed, is the user asked for confirmation? | x |  |  |  |
| Are dates and time formats across the system consistent? | x |  |  |  |
| Are number formats consistent? | x |  |  |  |
| If Tooltips are used, are they helpful or meaningful? |  | x |  | Chỉ có những tác vụ đơn giản |
| Are screens and menu mapped correctly? | x |  |  |  |

# \* Comment

**\* Suggestion**

[22] - Pass

[4] – review again

[2] - other

**Database Design**

