**Code Review Checklist**

**Project Code: BHXH-01**

**Version of the work product: 1.0**

**Reviewer(s) Nguyễn Đình Thắng - B16DCCN319**

**Review date 17/04/2020**

**Work product' size**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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**

**[ ] - Pass**

**[ ] - Review again**

**[ ] - Other**