

General Programming Standards and Guidelines Code Review Checklist

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|----------------------------|-----------------------------|------------|---|
| Project Name | CR Review | Project ID | 2 |
| Reviewer's Name | John Philip Ortiz Chanchico | Sprint No. | 1 |
| Review Date | 29/01/2020 | | |
| File Name (Source Code) | cr_list.dart | | |

This checklist is to be used to assess source code during a peer review. Items which represent the code being reviewed should be checked off.

Place a check mark if the code complies with the criteria. If not, place comments at the remarks column.

1. License

| Criteria | Comply | | Remarks |
|--|--------|----|---------|
| | Yes | No | |
| License exists at the top of the code | ✓ | | |
| License contains the name of the author | ✓ | | |
| License contains the following: "This is a course requirement for CS 192 Software Engineering II under the supervision of Asst. Prof. Ma. Rowena C. Solamo of the Department of Computer Science, College of Engineering, University of the Philippines, Diliman for the AY 2015-2016". | ✓ | | |

2. Code History

| Criteria | Comply | | Remarks |
|--|--------|----|---------|
| | Yes | No | |
| Code History appears after the license of the source code. | ✓ | | |
| Code History has been updated accordingly based on name of programmer, change date and change description. | ✓ | | |

3. Internal Documentation

| Criteria | Comply | | Remarks |
|---|--------|----|---------|
| | Yes | No | |
| A comment block exists after the Code History containing the following information: file creation date, development group, client group and a brief statement of the purpose of the software in the file. | ✓ | | |
| Each method in the file is preceded by a comment block which provides the following information: method name, routine's creation date, purpose of the routine, a list of the calling arguments (their types and what they do), a list of required files and/or database tables, and return value. | ✓ | | |
| Indentations are 2 spaces. | ✓ | | |
| Exceptions are being handled appropriately. | ✓ | | |
| Meaningful variable names are used. | ✓ | | |
| Variable are initialized prior to use. | ✓ | | |
| Program statements are limited to one per line. | ✓ | | |
| Parentheses are used to remove operator precedence ambiguity and improve code readability. | ✓ | | |
| Meaningful error messages are used. | ✓ | | |

Design Principles (Modularity, Cohesion, Coupling). Place a check mark if the method complies with Coupling and Cohesion. If not, leave it blank.

| List of Method Signature | Modularity | | Remarks |
|------------------------------------|------------|----------|-----------------------------------|
| | Coupling | Cohesion | |
| Widget build(BuildContext context) | ✓ | ✓ | Default method to build a widget. |
| Widget _refreshableList(data) | ✓ | ✓ | |
| void _onRefresh() | ✓ | ✓ | |
| Void _onLoading() | ✓ | ✓ | |

| | | | |
|----------------------------------|---|---|---|
| Widget _buildListView(data) | ✓ | ✓ | |
| Widget _buildImageColumn(item) | ✓ | ✓ | |
| Widget _floorOfCR(floor) | ✓ | ✓ | |
| Widget _genderIcon(gender) | ✓ | ✓ | |
| Future<void> getJSONData() async | ✓ | ✓ | Asynchronous function, Promise. |
| void initState() | ✓ | ✓ | Default Flutter class state initialization. |

Reviewer's Comments: