Coding Guideline

**Project**: PBL4  
**Version**: 1.0  
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# General Coding Standards

## Follow PEP 8 Standards

* Adhere to Python official style guide for clean and consistent code.
* Use proper indentation
* The link for PEP 8 Standards Document: <https://peps.python.org/pep-0008/>

## Use Descriptive Names

* Use meaningful names for variables, functions, and classes.
  + E.g.: Use adjust\_brightness instead of adj\_brt
* Use a distinguished format of naming.
  + E.g.: Use snake case and pascal case
    - snake\_ case (for function naming)
    - PascalCase (for class naming)

## Avoid using Hard-Coding Values

* Use constants or configuration files for frequently changed values.

## Error Handling

* When you are stuck on errors, use try-except blocks to manage issues like projector disconnection or image-loading failures.

## Document your code

* Explain at least the below components of your code
  + Descriptions of [variables | functions | methods | classes]
  + Description of the libraries
* Add comments to explain complex logic, so that other programmers and team members are able to catch up.