

New Rules

Rule ID	Regulation Description	Pylint Configuration	Negative Example	Positive Example
C0103	Module PascalCase: Modules must start with a capital letter.	<code>module-naming-style=PascalCase</code>	<code>import enterprise_manager</code>	<code>import EnterpriseManager</code>
R0903	Min Public Methods: Lowered to 1 to support simple manager classes.	<code>min-public-methods=1</code>	A class with only <code>__init__</code> .	EnterpriseManager with ValidateCIF.
C0301	Line Length: Limited to 90 chars for better split-screen view.	<code>max-line-length=90</code>	A single line 110 characters long.	Code split across multiple lines.
R0913	Max Arguments: Limited to 4 to reduce function complexity.	<code>max-args=4</code>	<code>def save(a, b, c, d, e):</code>	<code>def save(a, b, c, d):</code>
C0103	Method PascalCase: Methods must match the project's base style.	<code>method-naming-style=PascalCase</code>	<code>def validate_cif(self):</code>	<code>def ValidateCIF(self):</code>
R0902	Max Attributes: Reduced to 5 to enforce class focus.	<code>max-attributes=5</code>	A class with 8 self.var attributes.	A class with only 3 attributes.
W0311	Indent after Paren: Custom 5-space indent for multiline arguments.	<code>indent-after-paren=5</code>	4-space indent after a (.	5-space indent after a (.
R0911	Max Returns: Reduced to 5 to avoid overly complex exits.	<code>max>Returns=5</code>	A function with 7 return paths.	A function with 3 return paths.
R0914	Max Locals: Reduced to 14 to prevent "spaghetti" logic.	<code>max-locals=14</code>	A function with 20 local variables.	A function with 10 local variables.
R0917	Positional Args: Limited to 4 for cleaner calls.	<code>max-positional-arguments=4</code>	<code>func(1, 2, 3, 4, 5)</code>	<code>func(1, 2, 3, 4)</code>
R0904	Max Public Methods: Increased to 25 for large managers.	<code>max-public-methods=25</code>	A class with 30 public methods.	A class with 22 public methods.
R0915	Max Statements: Reduced to 45 to keep functions concise.	<code>max-statements=45</code>	A function with 60 lines of logic.	A function with 30 lines of logic.
R0916	Max Bool Expr: Increased to 6 for complex validation logic.	<code>max-bool-expr=6</code>	An if with 8 and/or checks.	An if with 5 and/or checks.
R0912	Max Branches: Reduced to 11 to limit logical paths.	<code>max-branches=11</code>	A function with 15 nested if/elif.	A function with 8 nested if/elif.
R0901	Max Parents: Reduced to 6 to simplify inheritance.	<code>max-parents=6</code>	A class inheriting from 8 classes.	A class inheriting from 2 classes.

Example of Code Run

```
Testing Valid CIF (A58818501): True
Testing Invalid CIF (S1234567A): False
```

Successful Pylint

```
(venv) saathanachandrakumar@Saathanas-MacBook-Air G87.2026.T02.GE1 % pylint UC3MConsulting/__init__.py
-----
Your code has been rated at 10.00/10 (previous run: 6.67/10, +3.33)
```

```
(venv) saathanachandrakumar@Saathanas-MacBook-Air G87.2026.T02.GE1 % pylint UC3MConsulting/EnterpriseManagementException.py
-----
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
(venv) saathanachandrakumar@Saathanas-MacBook-Air G87.2026.T02.GE1 % pylint UC3MConsulting/EnterpriseRequest.py
-----
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
(venv) saathanachandrakumar@Saathanas-MacBook-Air G87.2026.T02.GE1 % pylint UC3MConsulting/EnterpriseManager.py
-----
Your code has been rated at 10.00/10 (previous run: 8.18/10, +1.82)
```

Failing Pylint

```
(venv) saathanachandrakumar@Saathanas-MacBook-Air G87.2026.T02.GE1 % pylint UC3MConsulting/__init__.py
*****
Module UC3MConsulting
UC3MConsulting/ __init__.py:1:0: C0114: Missing module docstring (missing-module-docstring)
UC3MConsulting/ __init__.py:1:0: C0103: Module name "UC3MConsulting" doesn't conform to snake_case naming style (invalid-name)

-----
Your code has been rated at 3.33/10 (previous run: 6.67/10, -3.33)
```

```
(venv) saathanachandrakumar@Saathanas-MacBook-Air G87.2026.T02.GE1 % pylint UC3MConsulting/EnterpriseManagementException.py
*****
Module UC3MConsulting.EnterpriseManagementException
UC3MConsulting/EnterpriseManagementException.py:14:0: C0305: Trailing newlines (trailing-newlines)
UC3MConsulting/EnterpriseManagementException.py:1:0: C0114: Missing module docstring (missing-module-docstring)
UC3MConsulting/EnterpriseManagementException.py:1:0: C0103: Module name "EnterpriseManagementException" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManagementException.py:1:0: C0115: Missing class docstring (missing-class-docstring)
UC3MConsulting/EnterpriseManagementException.py:8:4: C0116: Missing function or method docstring (missing-function-docstring)

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Your code has been rated at 3.75/10 (previous run: 10.00/10, -6.25)
```

```
(venv) saathanachandrakumar@Saathanas-MacBook-Air G87.2026.T02.GE1 % pylint UC3MConsulting/EnterpriseRequest.py
*****
Module UC3MConsulting.EnterpriseRequest
UC3MConsulting/EnterpriseRequest.py:35:0: C0304: Final newline missing (missing-final-newline)
UC3MConsulting/EnterpriseRequest.py:1:0: C0114: Missing module docstring (missing-module-docstring)
UC3MConsulting/EnterpriseRequest.py:1:0: C0103: Module name "EnterpriseRequest" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:5:0: C0115: Missing class docstring (missing-class-docstring)
UC3MConsulting/EnterpriseRequest.py:7:8: C0103: Attribute name "__EnterpriseNAME" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:8:8: C0103: Attribute name "__cIF" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:9:8: C0103: Attribute name "__pHOne" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:11:8: C0103: Attribute name "__timeStamp" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:6:23: C0103: Argument name "Cif" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:6:27: C0103: Argument name "phOnE" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:6:34: C0103: Argument name "ENAME" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:17:4: C0116: Missing function or method docstring (missing-function-docstring)
UC3MConsulting/EnterpriseRequest.py:17:4: C0103: Attribute name "ENTERPRISE_CIF" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:20:4: C0103: Attribute name "ENTERPRISE_CIF" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:24:4: C0116: Missing function or method docstring (missing-function-docstring)
UC3MConsulting/EnterpriseRequest.py:24:4: C0103: Attribute name "PHONE_NUMBER" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:27:4: C0103: Attribute name "PHONE_NUMBER" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:31:4: C0116: Missing function or method docstring (missing-function-docstring)
UC3MConsulting/EnterpriseRequest.py:31:4: C0103: Attribute name "ENTerprise_Name" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:34:4: C0103: Attribute name "ENTERprise_Name" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseRequest.py:11:8: W0238: Unused private member `EnterpriseRequest.__timeStamp` (unused-private-member)

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Your code has been rated at 0.87/10 (previous run: 10.00/10, -9.13)
```

```
(venv) saathanachandrakumar@Saathanas-MacBook-Air G87.2026.T02.6E1 % pylint UC3MConsulting/EnterpriseManager.py
*****
Module UC3MConsulting.EnterpriseManager
UC3MConsulting/EnterpriseManager.py:94:0: C0304: Final newline missing (missing-final-newline)
UC3MConsulting/EnterpriseManager.py:1:0: C0114: Missing module docstring (missing-module-docstring)
UC3MConsulting/EnterpriseManager.py:1:0: C0103: Module name "EnterpriseManager" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:5:0: C0115: Missing class docstring (missing-class-docstring)
UC3MConsulting/EnterpriseManager.py:9:4: C0103: Method name "ValidateCIF" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:9:26: C0103: Argument name "Cif" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:61:4: C0116: Missing function or method docstring (missing-function-docstring)
UC3MConsulting/EnterpriseManager.py:61:4: C0103: Method name "ReadproductcodefromJSON" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:64:16: C0103: Variable name "DATA" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:71:12: C0103: Variable name "T_CIF" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:72:12: C0103: Variable name "T_PHONE" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:73:12: C0103: Variable name "E_NAME" doesn't conform to snake_case naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:89:4: C0103: Constant name "valid_cif" doesn't conform to UPPER_CASE naming style (invalid-name)
UC3MConsulting/EnterpriseManager.py:93:4: C0103: Constant name "invalid_cif" doesn't conform to UPPER_CASE naming style (invalid-name)

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Your code has been rated at 7.45/10 (previous run: 10.00/10, -2.55)
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