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Python MicroProject

“Bike Rental System”

Team Members :

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# **ABSTRACT :**

A full fledged bike rental system implemented in Python using object oriented programming concepts. It provides functionality for login using username and password and provides functionality to choose the type of service from among the various services available.

**REQUIREMENTS :**

* A GitHub account with private repository
* Jupyter Code editor.
* Knowledge on Python Object-oriented concepts.
* Working on Python test cases.

Note:

* Commiting the project as much as completed to the following GitHub repository

<https://github.com/99002630/Python_MiniProject>

## **IMPLEMENTATION & TEST PLANS :**

In this project, the first step was to define the requirements of a rental system which includes the different services offered along with an effective login functionality.The code covered various topics across object-oriented concepts and file system concepts. We have written simple test cases, built and ran the code. Then, the codes were integrated and committed into a Github repository.

## **GIT ACTIONS :**

* Python Unit Test – python3 <filename.py>
* Code Quality
* PyLint

## **REFERENCES :**

Python object-oriented concept: <https://www.javatpoint.com/python-oops-concepts>

Python file concept: <https://www.geeksforgeeks.org/file-handling-python/>

## **INDIVIDUAL CONTRIBUTION :**

Poornima T V – Writing the core logic of the project with object-oriented concepts and file concepts.

Gajula Meghana – Logic and execution of test cases, pylint and code quality.

**!! THANK YOU !!**