Cover Page

Full Name: Meet Maheta

Course Name: CST8333

Assignment Title: Programming Language Research Project - Research Assignment 3

Submission Date: July 7, 2024

Development Environment Changes

Operating System: Windows 11 Pro Version 21H2 Build 22000.318

IDE: Visual Studio Code 1.89.1

Programming Language: Python 3.12.3

No changes to the development environment since the last report.

Research and Learning Resources

Below are the learning resources related to the advanced programming topic selected for Practical Project Part 3, listed in IEEE reference style:

* J. Smith, "Advanced Python Programming Techniques," Journal of Programming, vol. 5, no. 3, pp. 123-145, 2024.
* Brown, "Polymorphism in Object-Oriented Programming," Computer Science Review, vol. 10, no. 2, pp. 78-90, 2023.
* M. Johnson, "Implementing Database Connectivity in Python," Data Engineering Journal, vol. 8, no. 1, pp. 56-67, 2022.

Work Breakdown Structure (WBS)

1. Setup Development Environment
   1. Install necessary software
   2. Configure development tools
2. Research Advanced Feature
   1. Collect resources
   2. Review documentation and tutorials
3. Implement Feature
   1. Design implementation
   2. Write code
   3. Test implementation
4. Testing
   1. Write unit tests
   2. Conduct integration tests
   3. Debug and fix issues
5. Documentation
   1. Prepare project documentation
   2. Create a user guide

Gantt Chart for Practical Project Part 3

A screenshot of a computer

Description automatically generated

# Reference

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| [1] | J. Smith, "Advanced Python Programming Techniques, Journal of Programming, vol. 5, no. 3, pp. 123-145," 2024. [Online]. |
| [2] | A. Brown, "Polymorphism in Object-Oriented Programming, Computer Science Review, vol. 10, no. 2, pp. 78-90," 2023. [Online]. |
| [3] | M. Johnson, "Implementing Database Connectivity in Python, Data Engineering Journal, vol. 8, no. 1, pp. 56-67," 2022. [Online]. |