

WEEK 04 INTERNSHIP PROGRESS REPORT

Name: Abidemi Kuburat Adedeji

Internship Program: Core Java Internship

Institution: USC / UCT

Week: Week 04

Project Title: Banking Information System

1. Introduction

This report documents my activities and progress during **Week 04** of the Core Java Internship program. The focus of this week was on implementing a **Banking Information System** using Java, applying object-oriented programming concepts and basic input/output handling.

2. Tasks Completed

During this week, I successfully completed the following tasks:

- Designed a console-based Banking Information System using Java
- Implemented core banking operations such as:
 - Balance inquiry
 - Deposit functionality
 - Withdrawal functionality
- Used control structures such as loops and switch-case statements
- Applied basic Java concepts including variables, methods, and user input handling
- Tested the program for different user scenarios to ensure correct output

3. Milestones Achieved

- Successfully created and executed a working Java application
- Ensured the system correctly updates account balance after transactions
- Gained practical experience in building a real-world simulation using Java
- Uploaded the project code and report to GitHub as required.

4. Challenges and Hurdles

- Handling invalid user input such as negative numbers
- Ensuring withdrawal operations do not exceed available balance
- Managing program flow to allow repeated transactions without errors

5. Solutions Implemented

- Used conditional statements to validate input values
- Implemented loop structures to allow continuous user interaction
- Added clear user prompts and system messages for better usability

6. Lessons Learned

- Improved understanding of Java control structures and methods
- Learned how to structure a Java program for real-life applications
- Gained confidence in debugging and testing Java programs
- Understood the importance of proper file naming and GitHub repository structure

7. GitHub Repository Links

Code File Link:

[BeeDay7/upskillcampus: Internship project repository for Upskill Campus – Core Java Banking Information System \(code and weekly report\)](https://github.com/BeeDay7/upskillcampus)

Report File Link:

[BeeDay7/upskillcampus: Internship project repository for Upskill Campus – Core Java Banking Information System \(code and weekly report\)](https://github.com/BeeDay7/upskillcampus)

8. Conclusion

Week 04 was highly productive and educational. Building the Banking Information System enhanced my practical knowledge of Java programming and strengthened my problem-solving skills. I look forward to applying these skills in more advanced projects in the coming weeks.