



University of Fort Hare  
*Together in Excellence*

## CSC313: Object-Oriented Programming

### Assignment 2: Implementing OOP Concepts, Exception Handling, Interfaces & Abstract Classes

#### Instructions:

- i. Continue as Assignment 1 Groups which were formed randomly via Blackboard towards achieving critical cross fields outcomes.
  - ii. Your group leaders must send the minutes of your first meeting for this assignment to [pnomnga@ufh.ac.za](mailto:pnomnga@ufh.ac.za) by the **28<sup>nd</sup> of April 2024, Mid-night**.
  - iii. Again, use an appropriate IDE for this project and **GitHub** for hosting. **Be sure to create a new repository on GitHub.**
  - iv. **All group members and LECTURER should be added to the project on GitHub.**
  - v. The work should be completed by the **02<sup>nd</sup> of May 2025, Mid-night**. Assessment will take place from the **03<sup>rd</sup> of May 2025**.
  - vi. Assignment 2 will have a Presentation component which will take place on the **09<sup>th</sup> of May 2024**.
  - vii. Late submission is tantamount to no submission and as such a zero (0) mark will be awarded for the entire group.
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Set up the development environment in **Android Studio** and create a new Android project that allows users to:

1. **Browse all available textbooks for sale.**
2. **List a textbook for sale by providing its details, including the number of copies, selling price, and banking information for payment.**
3. **Submit and confirm the listing**, ensuring users can list multiple books. However, the app should prevent duplicate entries of the same textbook.
4. **Search for textbooks by seller name or book title** at a minimum.

The app should deliver a smooth and user-friendly experience for both buyers and sellers while maintaining efficient data management.

-----50 Marks-----