

System Architecture

The Product Stock Predictor system is built using Java and follows a modular design. It includes classes for product management, order processing, and stock prediction. Multi-threading ensures efficient order handling, and file I/O is used for persistent storage.

GitHub Conflict Resolution

- **Identify Conflicts:** Use `git status` and `git diff`.
- **Resolve Conflicts:** Edit conflicting files and use `git add`.
- **Finalize:** Commit the changes and push them.

Key Learnings

- Efficient use of **multi-threading**.
- Implementing **file I/O** for persistent data.
- Managing **synchronization** in concurrent operations.