

Module 8

BUILDING CLI TOOLS AND APPLICATIONS



COMMAND-LINE BASICS

- **Parsing Flags:** Use the flag package for command-line arguments.
- **Handling Subcommands:** Use libraries like cobra or urfave/cli for structured CLI apps.





FILE I/O

- **Reading/Writing Files: Use `os`, `io`, `bufio` for efficient file handling.**
- **Error Handling & Resource Management: Always close files (`defer file.Close()`).**

Logging

- **Standard Logging:** Use Go's built-in log package.
- **Third-Party Logging:** logrus, zap offer structured logging & better performance
- **Log Levels:** Debug, Info, Warn, Error, Fatal for better log management.



Our final project (HandsOn)

THANK YOU

