Управление на процесите в разработването на софтуера
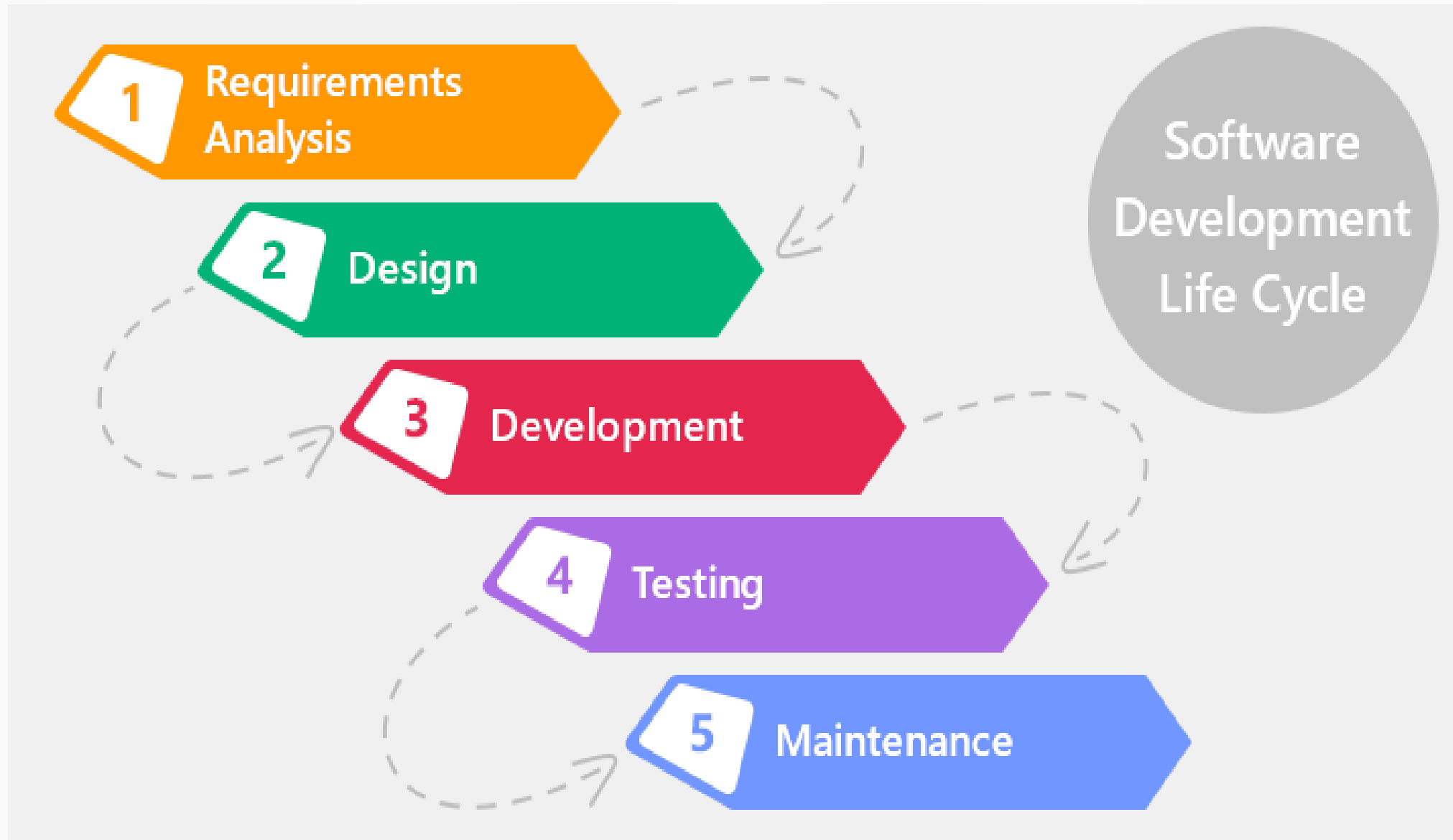
Упражнения

Любомир Филипов

Software Process Models

- The Waterfall Model
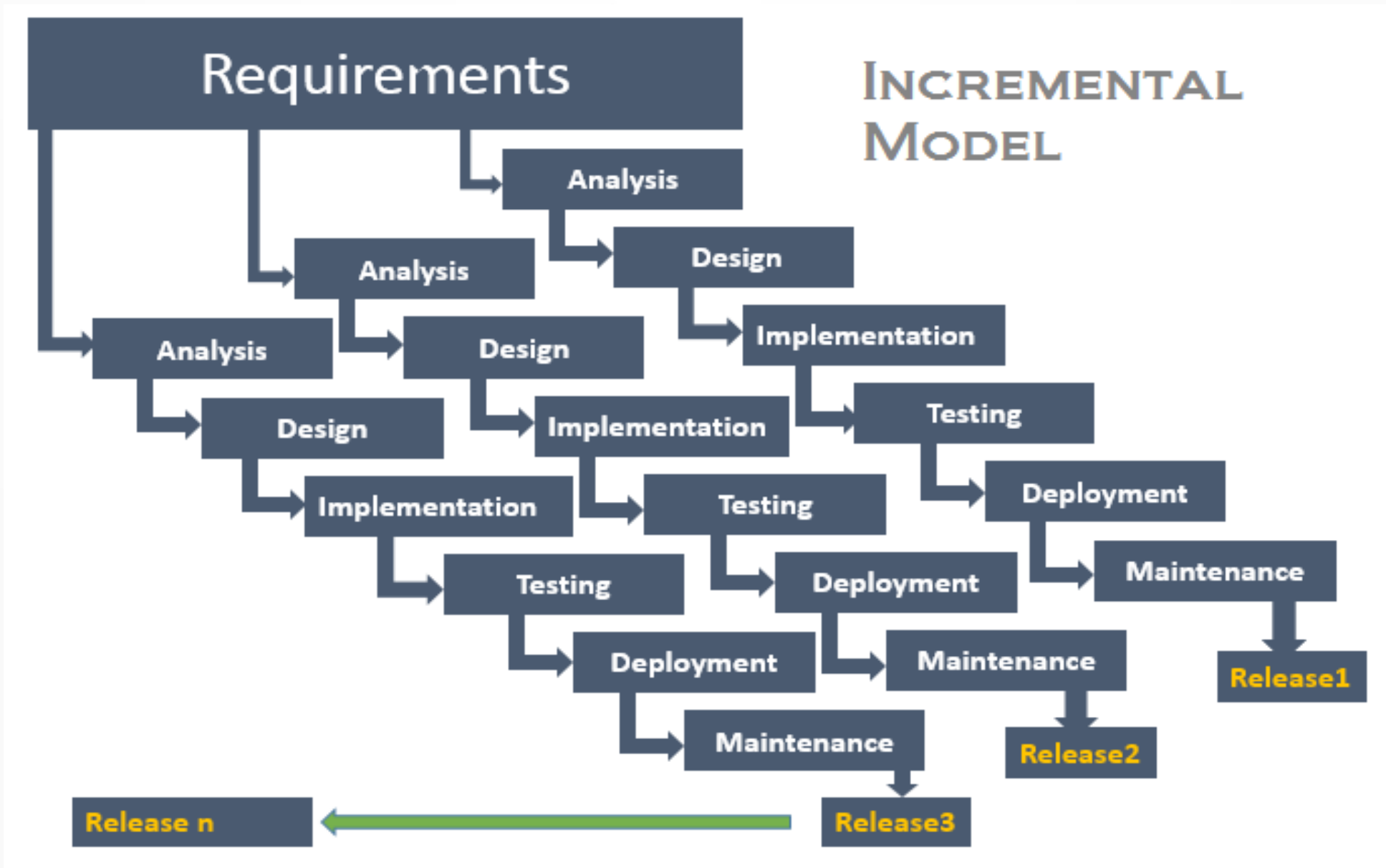- Incremental Development (Agile)
- Re-use oriented software engineering

Waterfall

1 Requirements Analysis

2 Design

3 Development

4 Testing

5 Maintenance

Software Development Life Cycle

Waterfall

I. Requirements analysis

II. System design

III. Implementation & Unit Testing

IV. Integration & System Testing

V. Operation & Maintenance

Incremental

Incremental

- Develop initial implementation

- Expose to user comment

- Iterate until adequate

- Spec, Development and Testing are intervealed in each round

Re-use orientied

- Very popular in the 21st centure
- Commercial off the shelf system
- Midstage are different from Waterfall (reusing)

Common Phases

- Software Specs
- Design & Implementation
- Validation (testing!)
- Evolution (making changes / maintenance)