**Classic**

Source = https://www.tutorialspoint.com/sdlc/sdlc\_waterfall\_model.htm

AKA Waterfall Model/Linear-Sequential Life Cycle Model

"Fixed-Price contract"

Each phase must be completed before the next phase can begin.

No overlapping in the phases.

**Application (Works well when):**

Requirements are very well documented, clear and fixed.

Product definition is stable.

Technology is understood and not dynamic.

No ambiguous requirements.

Developers with required expertise and ample resources (when they're given known and fixed requirements).

Known and fixed requirements.

**Advantages:**

Simple.

Easy to understand.

Phases processed and complete one at a time.

Clearly defined stages.

Process and results are well documented.

Easy to arrange tasks.

**Disadvantages:**

Doesn't allow for reflection or revision.

High amount of risk and uncertainty.

No working software produced until late in the life cycle.

Not a good model for long/OO/ongoing/complex projects.

Not suitable where requirements are at a moderate/high risk of changing.

Difficult to measure progress within stages.

Can't accommodate changing requirements.

Integration is a 'big-bang' at the end.

Useful in multi-disciplinary projects such as ones that involve structural, chemical

and mechanical engineers.

