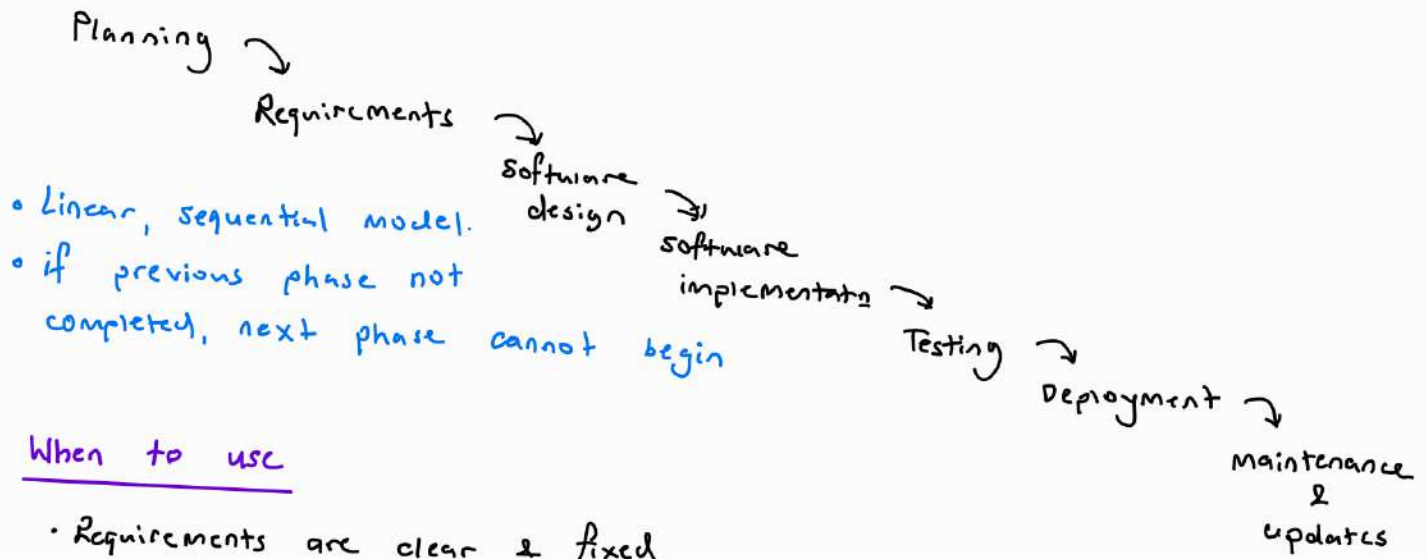


Waterfall Model

- first, oldest model
- uses the SDLC phases as is (no modification)



When to use

- Requirements are clear & fixed
 - ↳ Govt. projects
- App not complicated & Big
- Project is short duration
- Enough Resource to execute every stage when needed
- Mission critical projects: Every step must be verified & approved
 - ↳ low tolerance for bugs

eg:

- E-commerce supply chain app
- payment gateway
- Flight control system
- Stock Trading app

Pros of waterfall

- Simple & easy to implement (sequential)
- easy to manage
- phases completed sequentially
- scope is fixed (no sudden changes)
- clearly defined stages / goals
- Good visibility on proj. progress
- Process easily documented

Cons of waterfall

- No working software at early stages. (customer only see near end of life cycle)
 - ↳ No MVP concept
- Under utilization of resources
 - ↳ eg: coders cannot start until earlier phases complete
- unsuitable if requirements constantly updated
- unsuitable for long term projects
 - ↳ requirements changes
- No scope change possible