

Form groups

- TJ
 - Trung
 - Dominic
 - Ulisses
 - David
 - Shaun
- } Group 1
- } Group 2

1st task - meet as a group

- discuss strengths and weaknesses

- is there a leader?

- no need to assign tasks

- 1st group talk will be to propose
2 projects

Ideas for projects

- classroom notebook application
- simple 2D game with scenarios builder
- brewmaster's management software
- chef's recipe management system
- ??
..

Team formation and leadership

Do you need a leader? NO, but it sure helps.

Sometimes a leader emerges naturally!

At least the team must agree on roles. The team must operate on a concensus basis.

There is one very important role - best kept to one person. This is the "architect". This is the role keeping the overall structure of the software consistent.

The architect gives the focus to the project.

What is software engineering?

- applying well-understood techniques in a disciplined way to the production of software

SE has a lot of different prescriptive methodologies

Groups of people involved in SE (stakeholders)

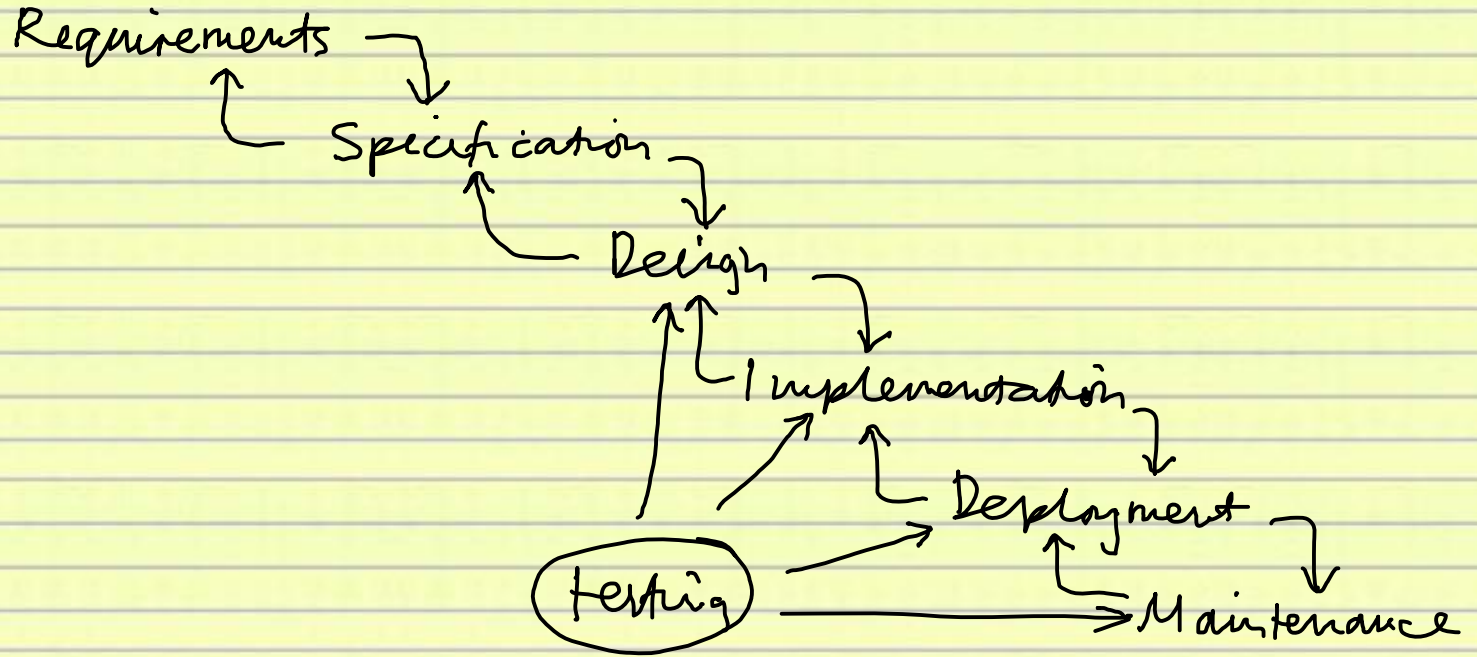
- users
 - customers
 - developers
 - managers
- } these can overlap

This semester RTH is the customer

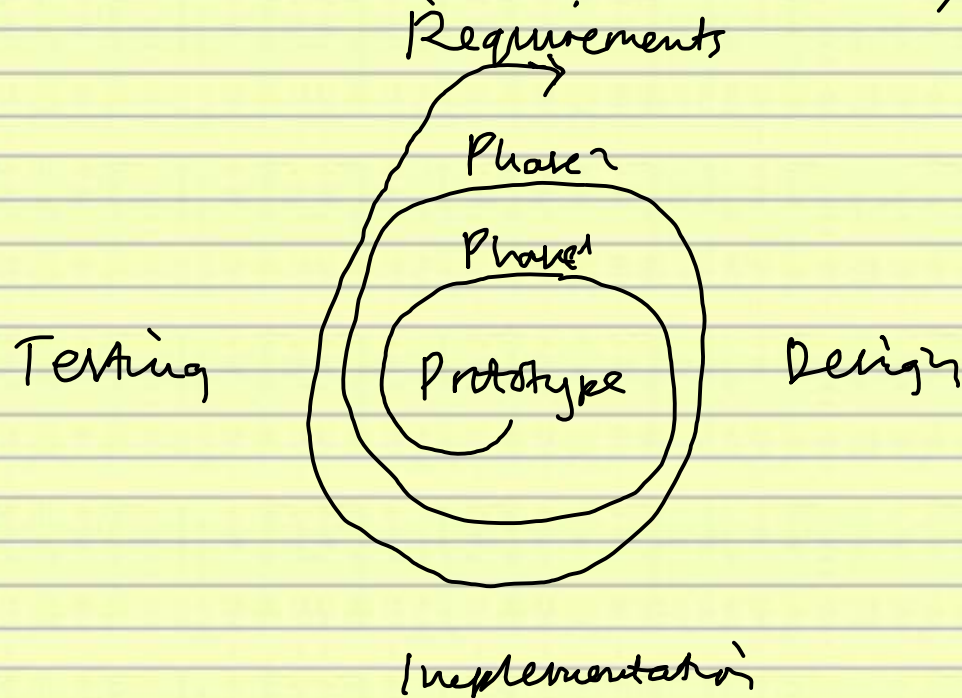
A bad to proceed is to just please the customer.

A better way to go is to agree on a methodology that ensures a working piece of software produced in good time.

Waterfall model



Spiral model (iterative model)



Each phase refines the program, making it bigger and better.

Used to be called rapid prototyping.

- builds something that works, but is incomplete