

# COM4506/6506: Testing and Verification in Safety Critical Systems

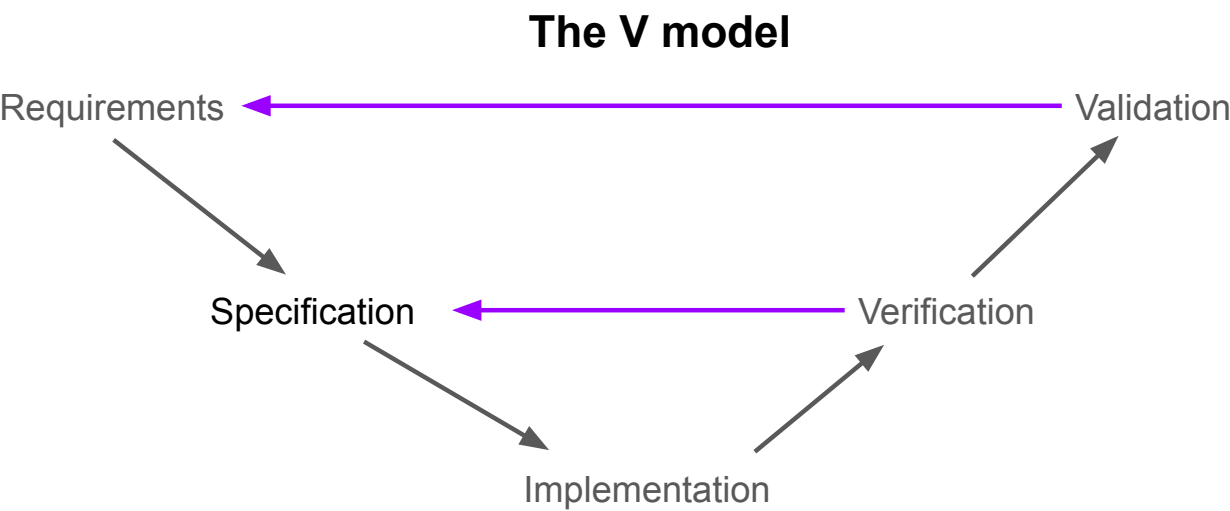
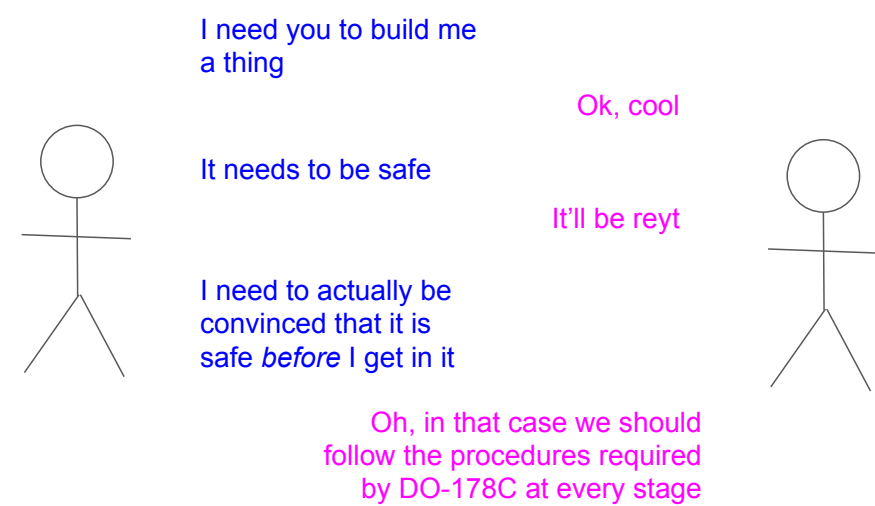
Dr Ramsay Taylor



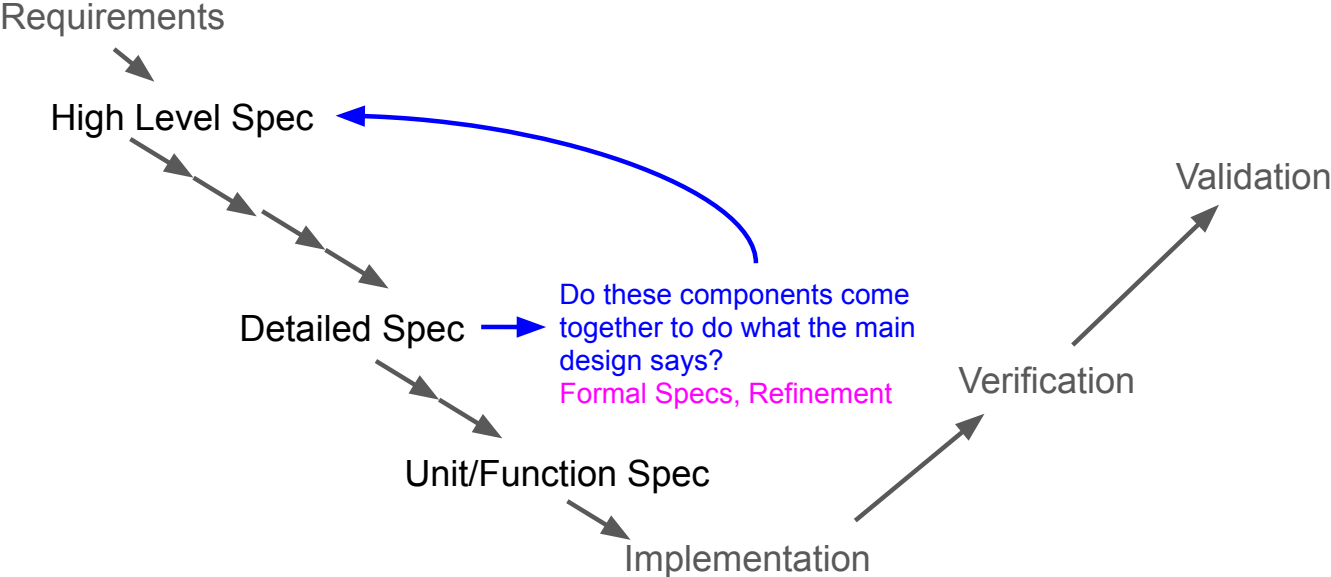
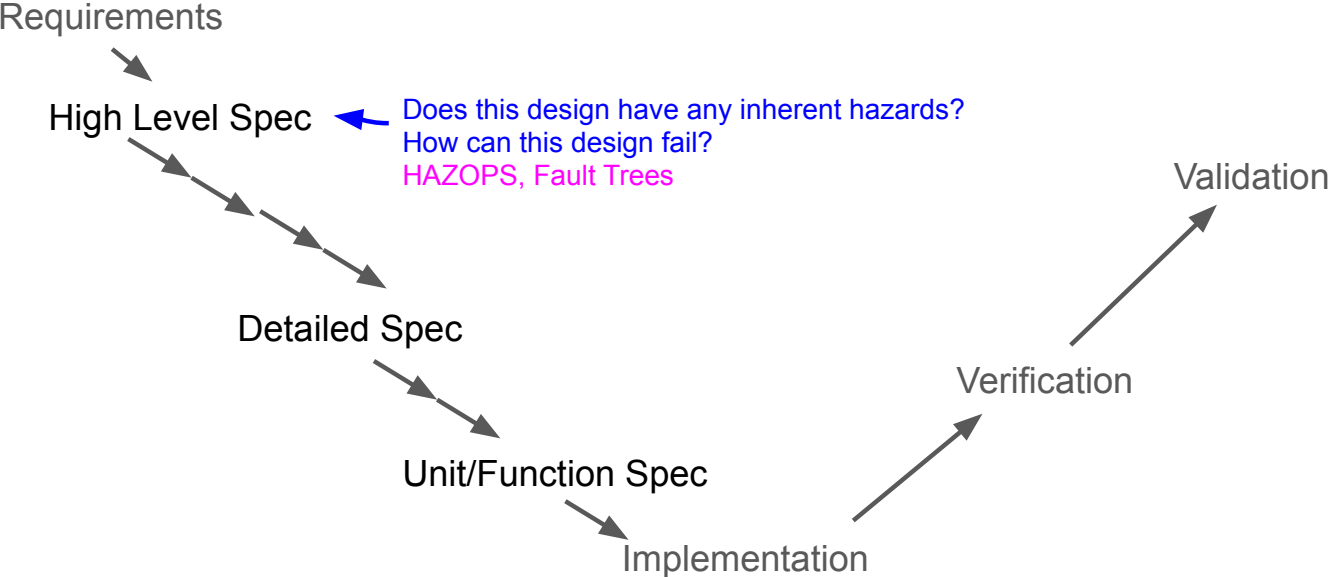
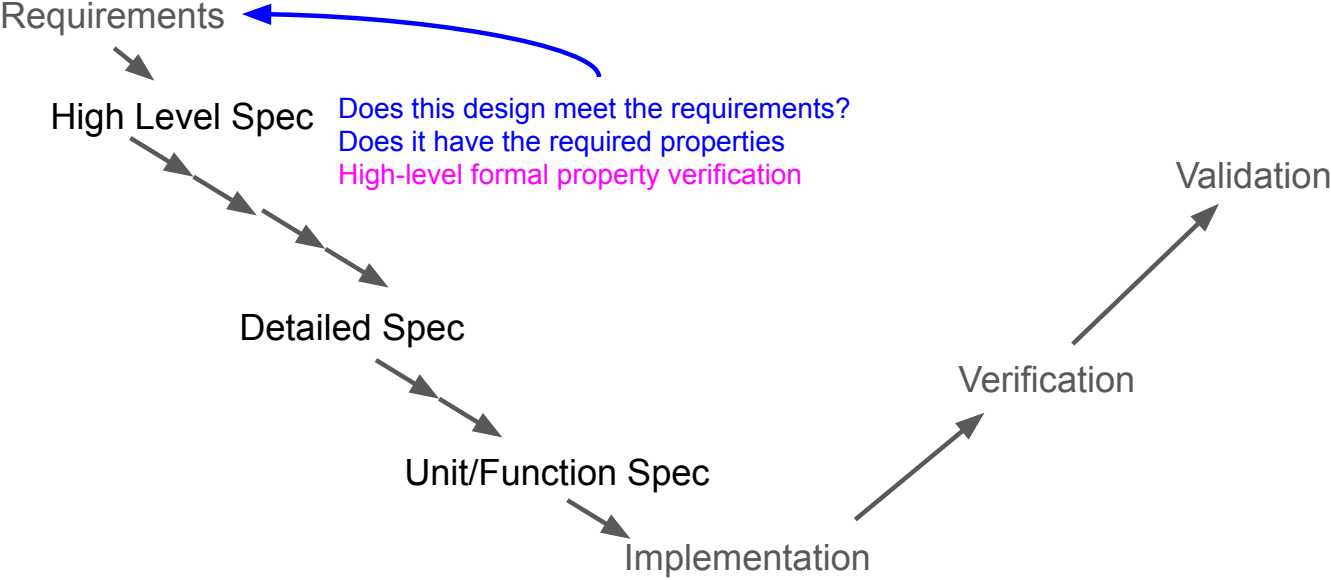
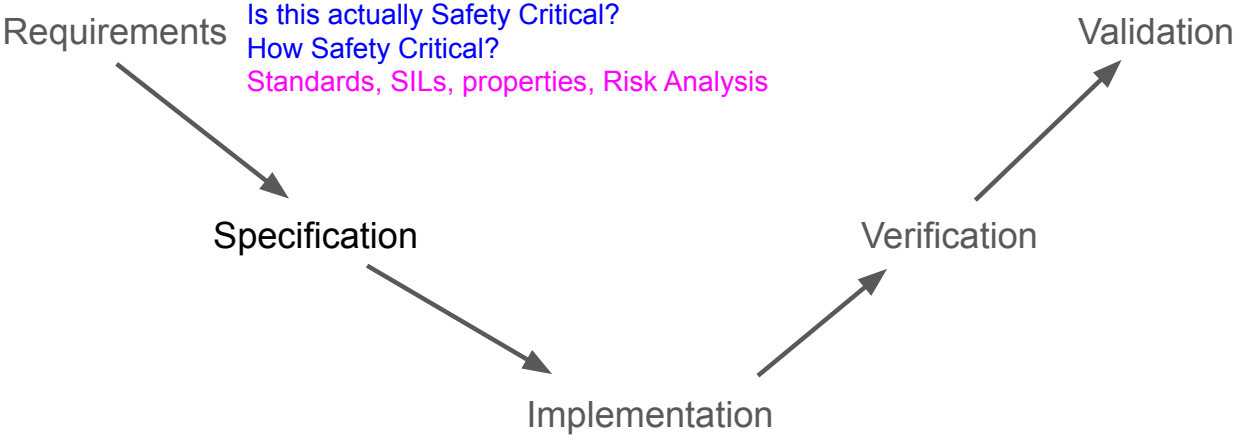
## Contents

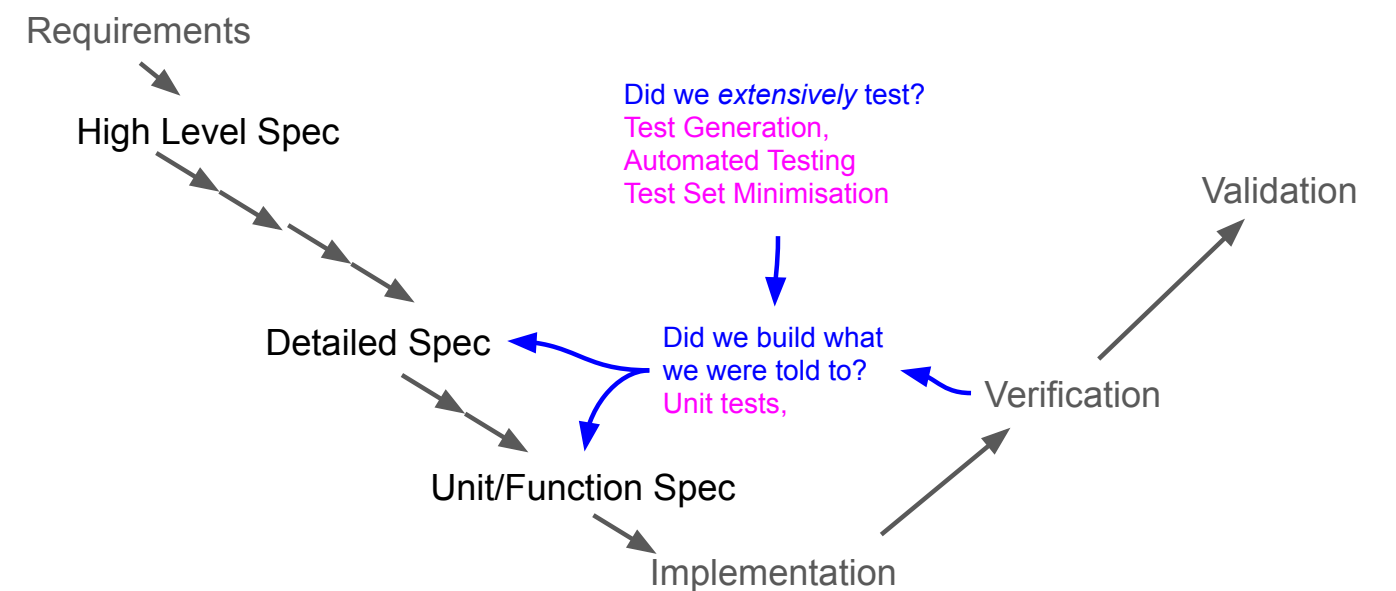
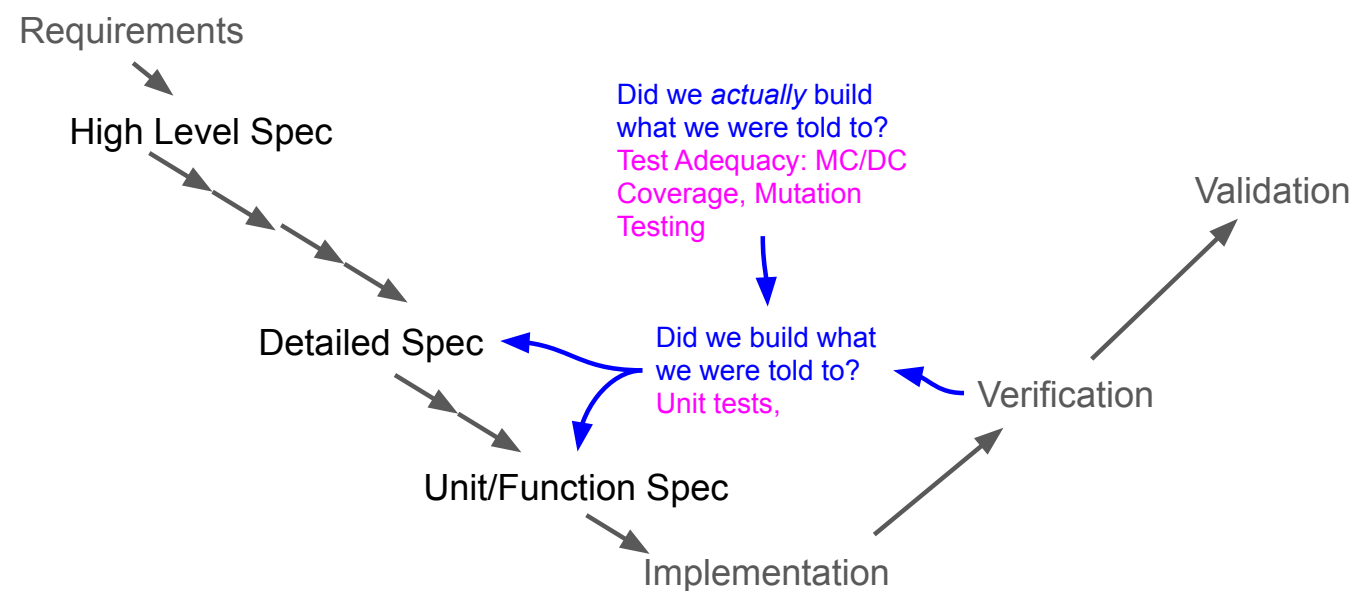
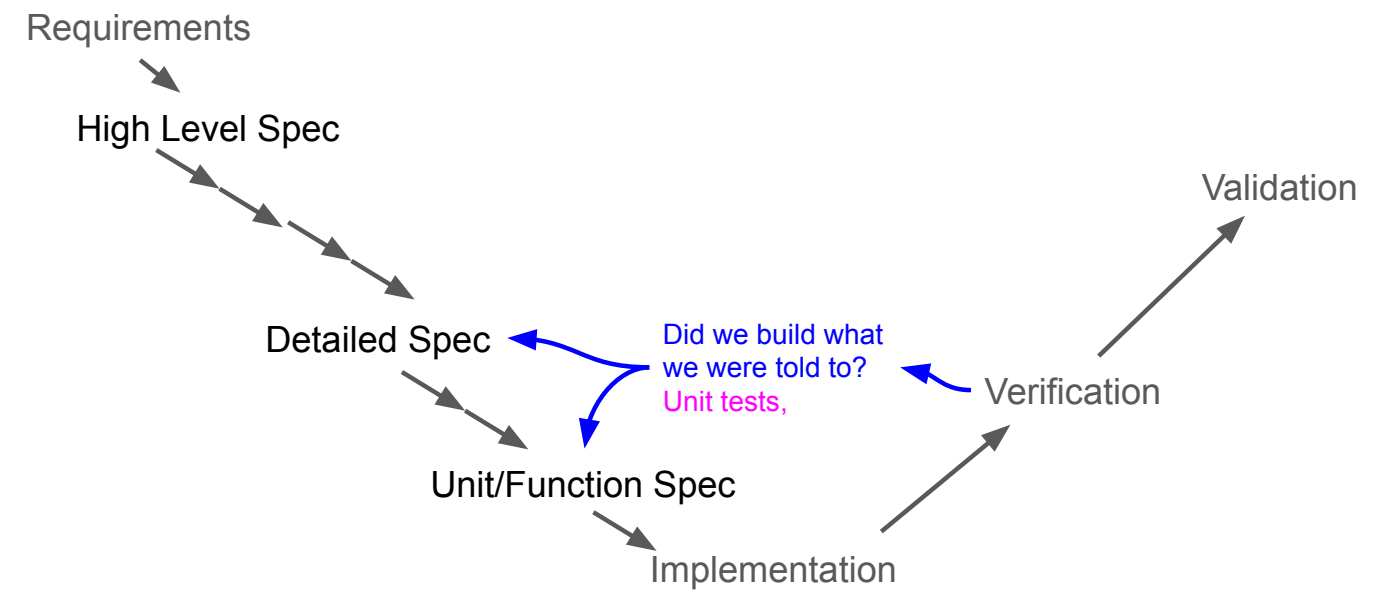
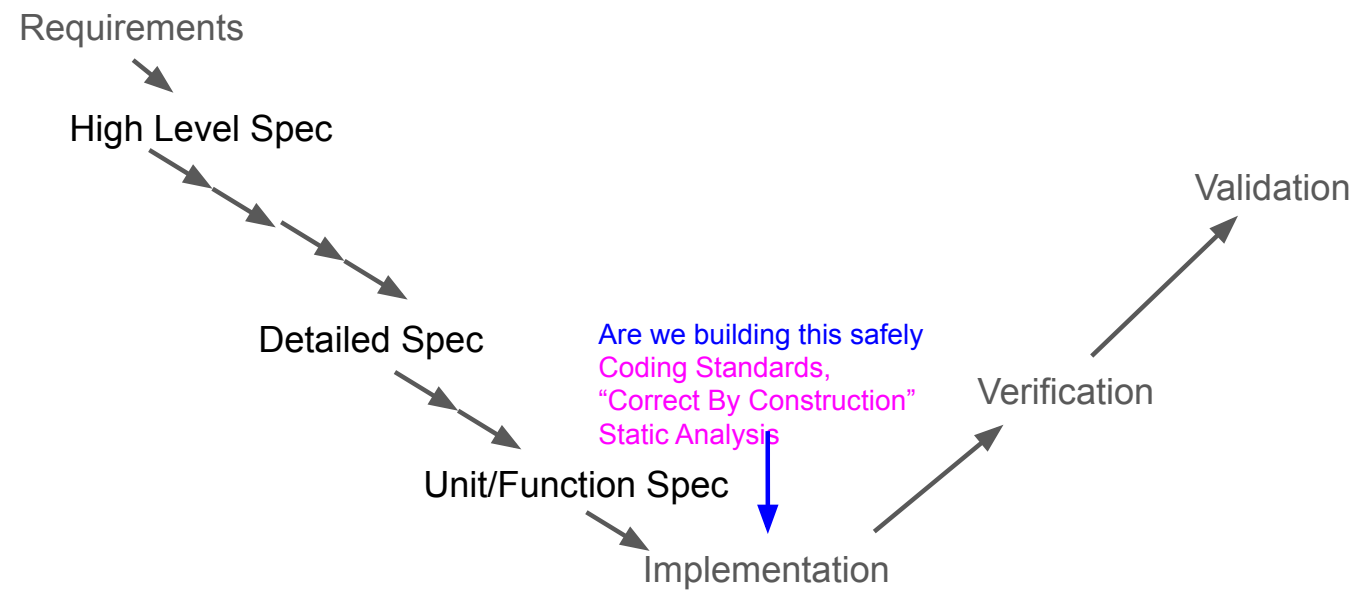
- Everything!

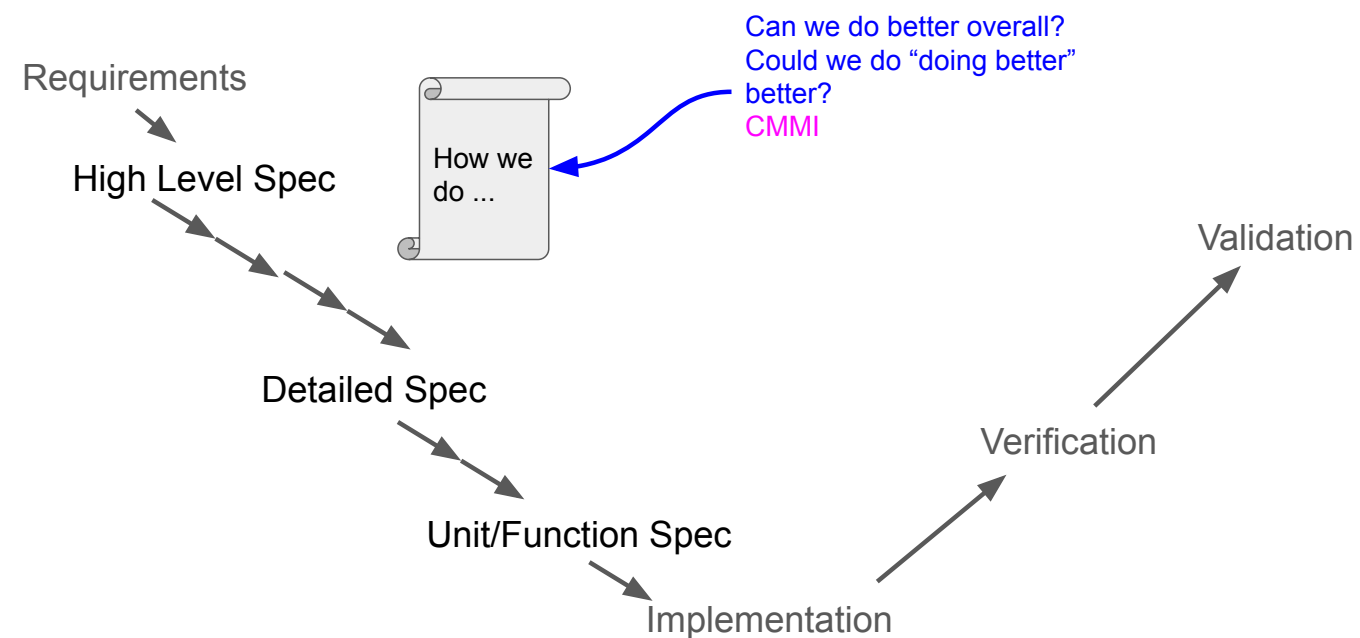
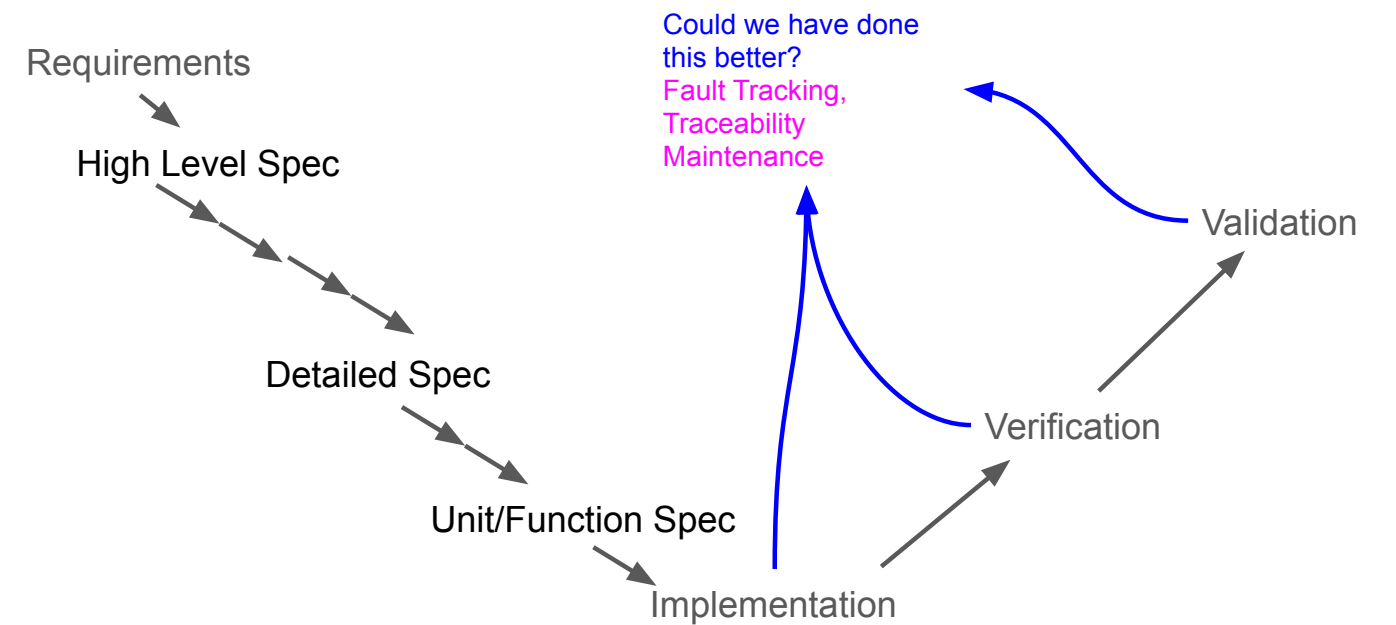
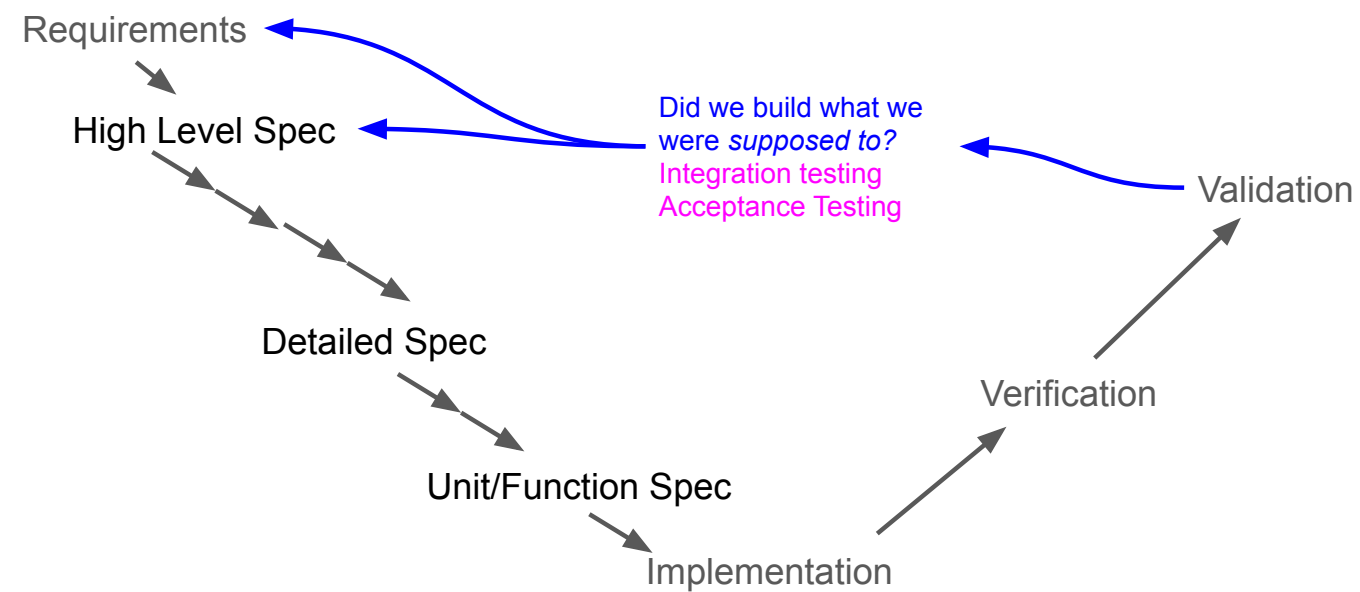
## Safety Critical Software Engineering



**The V model**







## Safety Critical Systems

Any engineered system *will* have flaws.

In Safety Critical Systems those flaws can hurt or kill people.

We *can't* remove all flaws.

We *can* put time and effort into reducing flaws, identifying flaws, and mitigating flaws.

We can also use processes that make it clear that we have done our best.



The End!