Software Testing
Introduction

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Outline

- Lectures
- Lab on Test driven development. Groups of 2.
- Project, groups of 4. Test case development for a python library of your choice.
- Exam

Grading

- The Exam is U,3,4,5
- Project work and the lab is pass/fail.

Lecture slides and revision

- ▶ My lecture slides are rather sparse. You will not be able to pass the exam by simply looking at the slides. You will need to read the relevant sections of the book. I will put up chapter links on `http://user.it.uu.se/~justin/Teaching/Testing/index.html`.

- ▶ Some of the lab and project work will also prepare you for the exam. From you work on test design and documentation you will prepare yourself to answer some more reflective questions on the exam.

What will you learn?

- ▶ Software testing is an interesting mix of art and theory.
  - ▶ Theory tells you that testing is impossible.
  - ▶ But testing does improve software quality.
- ▶ I will give you the tools to develop tests in a more principled way. You will be given the theoretical tools to think about questions such as
  - ▶ What do my tests cover?