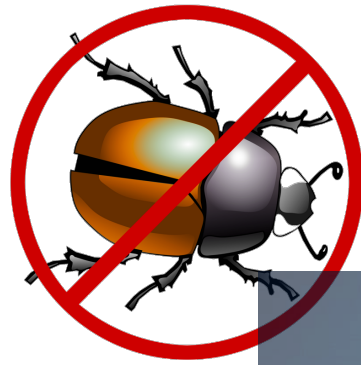
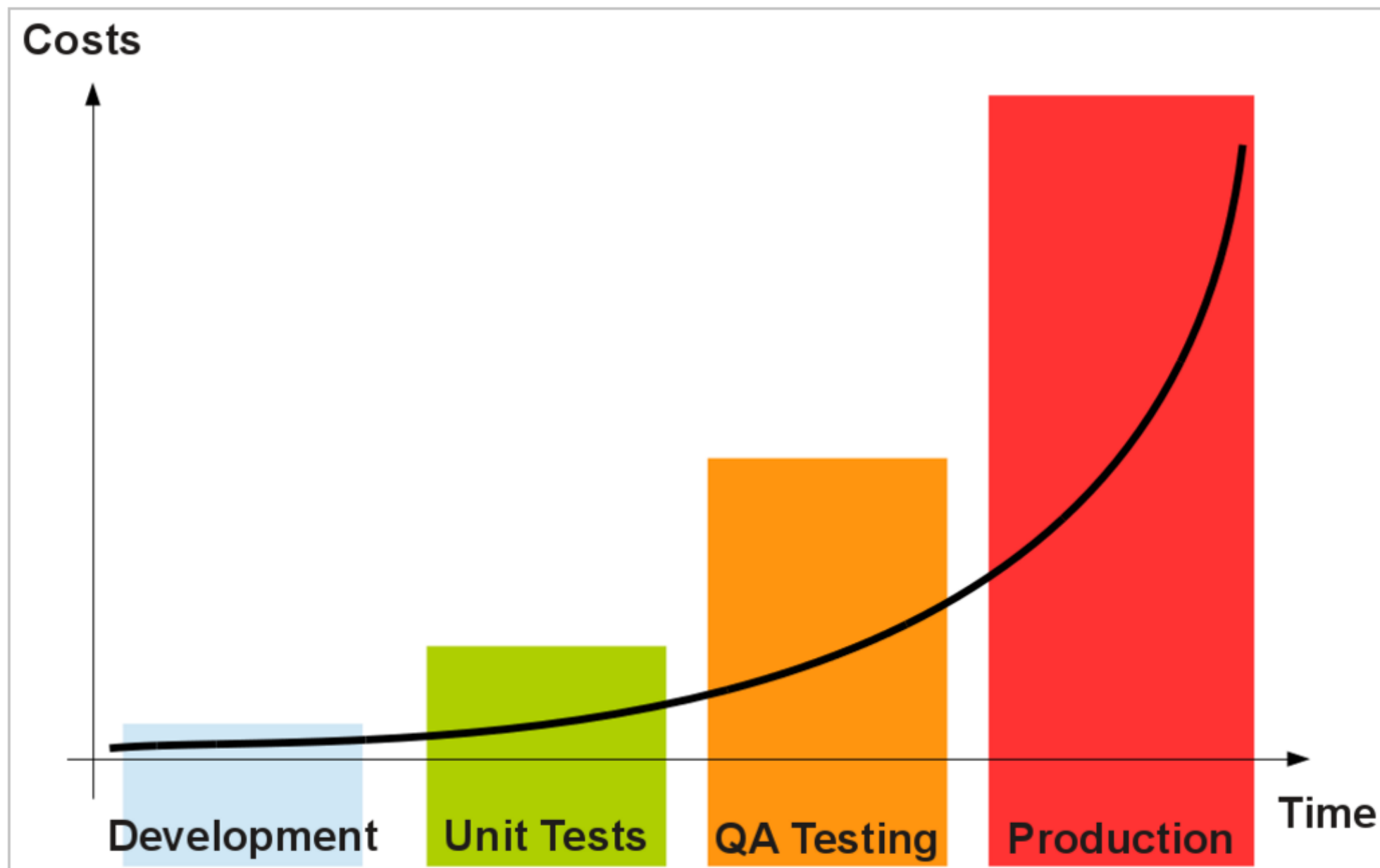


Code Review?

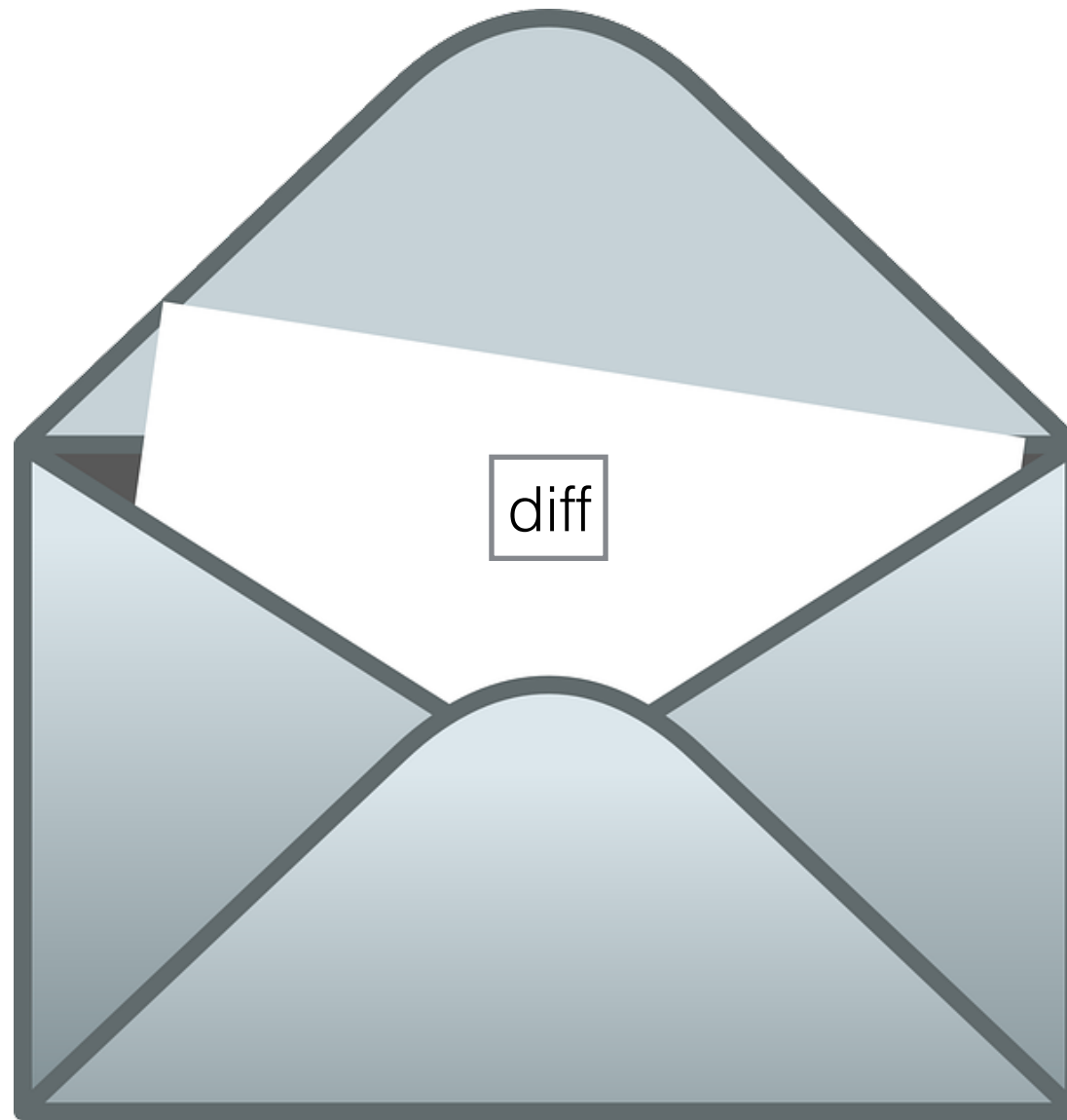


Defect cost



Variants:

Email pass-around



Over the shoulder



Tool-assisted



Pair Programming

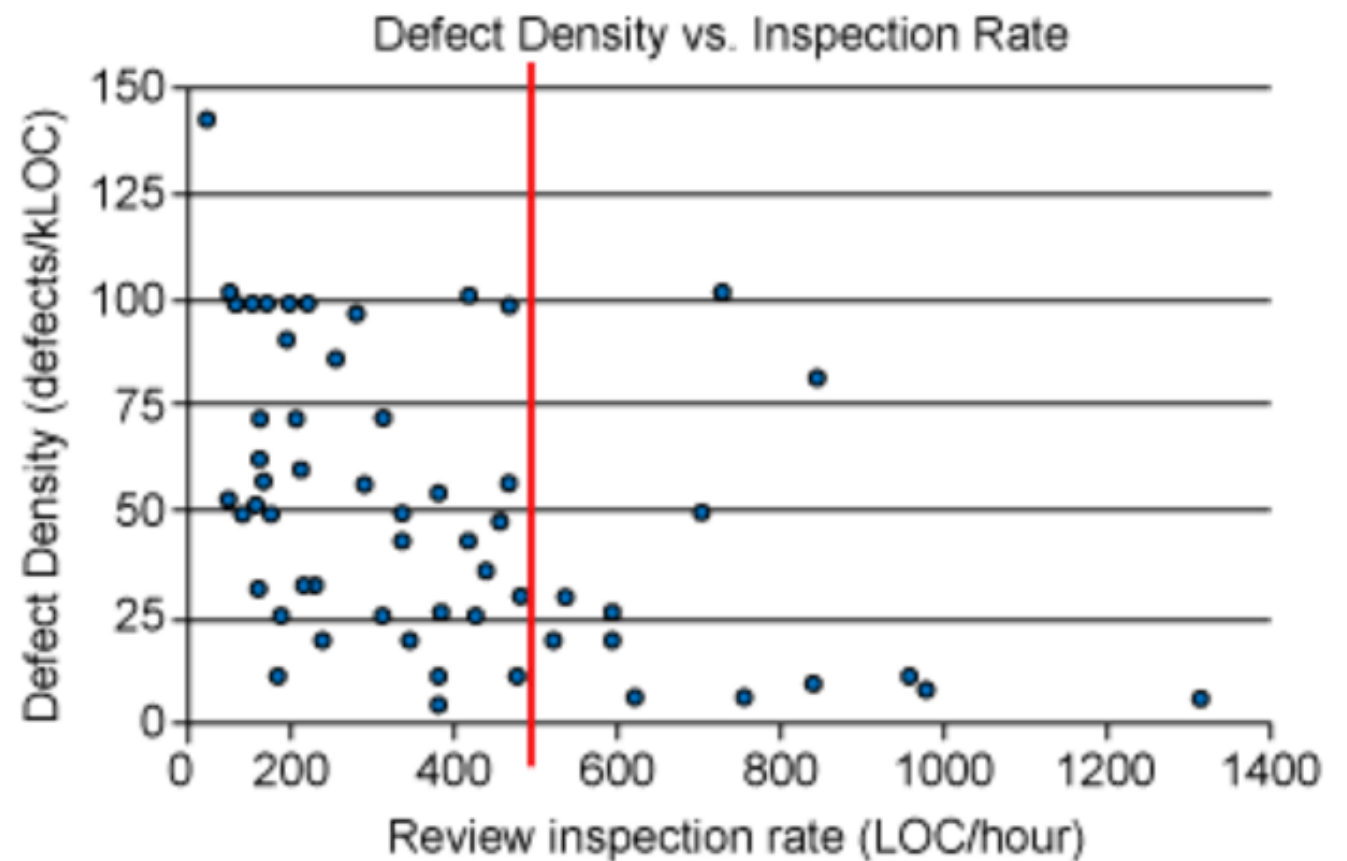
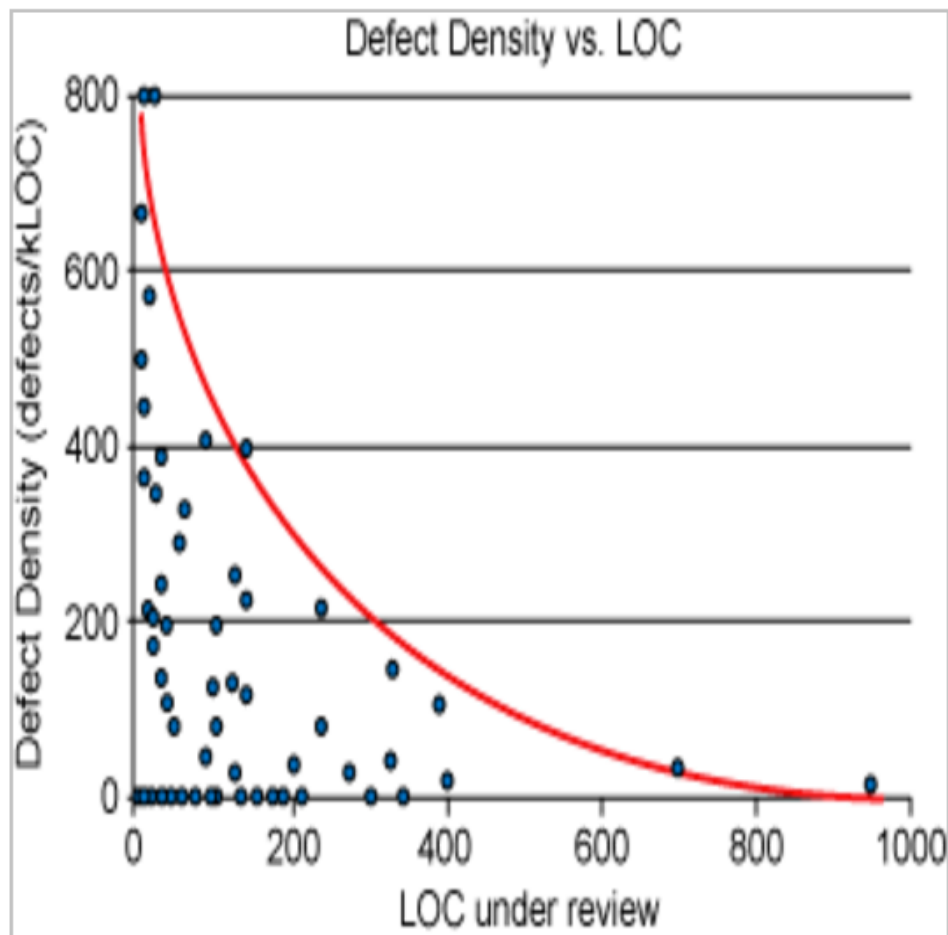


We are done. Q?

Recommendations:

Keep changes small

<500 LOC



Comment and explain your code - self review

```
62 83 ShadowAlarmManager sam = Shadows.shadowOf(am);
63 84 assertThat(sam.getScheduledAlarms()).isEmpty();
64 - assertThat(sam.getNextScheduledAlarm().triggerAtTime).isEqualTo(checkout.withTimeAtStartOfDay().getMillis());
    + Date scheduledTime = new Date(sam.getNextScheduledAlarm().triggerAtTime);
    + // And ensure we schedule using local time.
    + assertThat(scheduledTime)
    +     .isEqualTo(new SimpleDateFormat("yyyy-MM-dd-HH-mm", Locale.US).parse("3058-07-16-20-00"));
```



roman-mazur added a note 6 minutes ago



This test should fail when I'm 1070 years old. Would love to fix it.

Add a line note

```
65 89 }
66 90
67 91 @Test
```



Roles



Author



Reviewer(s)



Author

- Always self-review
- Accept the critics
- Be ready to explain and give arguments
- Maintain coding standards and style



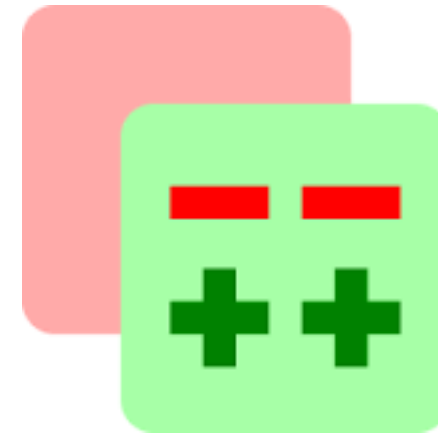
Reviewer(s)

- Be attentive
- Ask questions get the details
- Remember there are always many ways to approach a problem

Instruments



Github



Gerrit



Gitlab

Important

- Communication is important, not tools
- Code reviews do decrease amount of bugs
- Treat the review comments as a document
- Combine with automated verifications

API Design

Use case: messaging
app