Metrics

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# What is the least reliable component of the system?

I created an analysis based on numbers of reopened bugs. As we can see Module C is the least reliable component of the system.

Chart, pie chart

Description automatically generated

# Is the situation improving over timeline?

I created this analysis based on total numbers of bugs and numbers of verified bugs. As we can see situation improving over the time but not so fast because we are observing a tendency of decreasing bug numbers and a reduction in the number of verified bugs. However, there are spikes in the discovery of new bugs, particularly during weeks 38-40.

Chart, line chart

Description automatically generated

# What weeks were the most dynamic in testing/development?

I made this analysis based on total numbers of bugs per week. As we can see from chart below week 14 was most dynamic in testing/development.

Chart, bar chart

Description automatically generated

# What weeks were the most silent?

I made this analysis based on total numbers of bugs per week. As we can see from chart below week 31 was most silent in testing/development.

Chart, bar chart

Description automatically generated

# Suggest a threshold for bug quantity per week (take into consideration their severity)

From my point of view for this project we can accept this numbers of bugs per week:

- 10 critical bugs,

- 30 high,

- 35 normal,

- 40 low,

- 40 tiny.

If numbers of bugs higher than this numbers – it is a red flag for the project, and we should investigate what happened and pay more attention on development/testing process.

We can use excel file for fast filtering weeks. From picture below we can see that weeks with red flag are: 17, 24, 39,40.

A screenshot of a computer

Description automatically generated with low confidence