Auction Sphere

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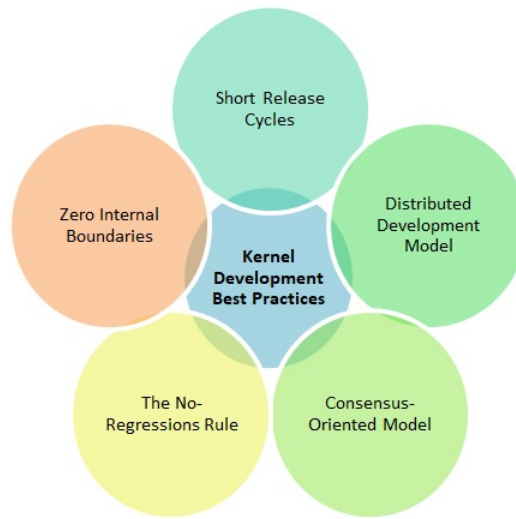North Carolina State University
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Figure 1: Linux Kernel Best Development practices

ABSTRACT

KEYWORDS

Auction System, Bidding, Software Engineering

1 DISTRIBUTED DEVELOPMENT MODEL

2 SHORT RELEASE CYCLES

Earlier, major releases were done once in few years which caused delays in getting new features to customers and also resulted in large pieces of code being merged together to the old code. Short release cycles ensure that enhancements and bug fixes are incorporated regularly resulting in no or very minimal integration issues. Short release cycles are measured in the rubric as well. Version control tools help make short release cycles possible which is measured in the rubric point- "Short release cycles"

3 THE NO-REGRESSIONS RULE

Regression testing is done to avoid changing existing functionality when there are changes made to the existing code-base or a new feature is added. This assures users there won't be any change in the existing functionality of the application.

The following measures are in place to ensure this holds:

- Usage of version control tools
- Test cases exist and cover more than 30% of the code base

- Test cases are executed when new changes are pushed to the code base