Software Testing Assignment

Module-4 (Defect Tracking)

1. What is priority?

Priority is the order in which developer has to fix the bug. If high priority is mentioned then the developer has to fix it at the earliest. The priority status is set based on the customer requirements.

1. What is severity?

Severity is how seriously the bug is affecting the application. The severity type is defined by the tester based on the written test cases and functionality.

1. Bug categories are…

By Nature

* Functional bugs
* Performance bugs
* Usability bugs
* Compatibility bugs
* Security bugs

By Priority

* Critical bugs
* High level bugs
* Medium level bugs
* Low severity bugs

By Severity

* Urgent bugs
* High priority bugs
* Medium priority bugs
* Low priority bugs

1. Advantage of Bugzilla

* It is an open-source widely used bug tracker;
* It is easy in usage and its user interface is understandable for people without technical knowledge;
* It easily integrates with test management instruments;
* It integrates with an e-mailing system;
* It automates documentation.

1. Difference between priority and severity

|  |  |  |
| --- | --- | --- |
| SR No | Severity | Priority |
| 1 | Defined by the impact on the application’s functionality. | Defined by the impact on business. |
| 2 | Category decided by testers. | Category decided by developers or product owners. |
| 3 | Deals with the technical aspects of the application. | Deals with the timeframe or order to fix the defects. |
| 4 | The value does not change with time, it’s fixed. | Value of priority is subjective and may change after comparison with other defects. |
| 5 | Defect Priority has defined the order in which the developer should resolve a defect | Defect Severity is defined as the degree of impact that a defect has on the operation of the product |
| 6 | Priority is categorized into three types | Severity is categorized into five types |
|  | Low | Critical |
|  | Medium | Major |
|  | High | Moderate |
|  |  | Minor |
|  |  | Cosmetic |
| 7 | Priority is associated with scheduling | Severity is associated with functionality or standards |
| 8 | Priority indicates how soon the bug should be fixed | Severity indicates the seriousness of the defect on the product functionality |
| 10 | Priority of defects is decided in consultation with the manager/client | QA engineer determines the severity level of the defect |
| 11 | Priority is driven by business value | Severity is driven by functionality |
| 12 | Its value is subjective and can change over a period of time depending on the change in the project situation | Its value is objective and less likely to change |
| 13 | High priority and low severity status indicates, defect have to be fixed on immediate bases but does not affect the application | High severity and low priority status indicates defect have to be fixed but not on immediate bases |
| 14 | Priority status is based on customer requirements | Severity status is based on the technical aspect of the product |
| 15 | During UAT the development team fix defects based on priority | During SIT, the development team will fix defects based on the severity and then priority |