**Software Testing Assignment Module-4**

1. **What is priority?**

* Priority is Relative and Business-Focused.
* Priority defines the order in which we should resolve a defect
* 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.
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* For example: If the company name is misspelled in the home page of the website, then the priority is high and severity is low to fix it.
* Priority can be of following types:
* Low: The defect is an irritant which should be repaired, but repair can be deferred until after more serious defect has been fixed.
* Medium: The defect should be resolved in the normal course of development activities. It can wait until a new build or version is created.
* High: The defect must be resolved as soon as possible because the defect is affecting the application or the product severely. The system cannot be used until the repair has been done.
* Critical: Extremely urgent, resolve immediately

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.
* Severity is absolute and Customer-Focused. It is the extent to which the defect can affect the software. In other words it defines the impact that a given defect has on the system.
* Severity can be of following types:
* Critical: The defect that results in the termination of the complete system or one or more component of the system and causes extensive corruption of the data. The failed function is unusable and there is no acceptable alternative method to achieve the required results then the severity will be stated as critical.
* Major (High): The defect that results in the termination of the complete system or one or more component of the system and causes extensive corruption of the data. The failed function is unusable but there exists an acceptable alternative method to achieve the required results then the severity will be stated as major.
* Moderate (Medium): The defect that does not result in the termination, but causes the system to produce incorrect, incomplete or inconsistent results then the severity will be stated as moderate.
* Minor (Low): The defect that does not result in the termination and does not damage the usability of the system and the desired results can be easily obtained by working around the defects then the severity is stated as minor.
* Cosmetic: The defect that is related to the enhancement of the system where the changes are related to the look and field of the application then the severity is stated as cosmetic

1. **Bug categories are…**

* Security
* Database
* Functionality (Critical/General)
* UI

1. **Advantages of Bugzila**

* Open source
* Time tracking
* Automated bug reporting, has an API to interact with system
* Move bugs between install
* Search option with advanced features
* Email notification

1. **Difference between priority and severity**

|  |  |
| --- | --- |
| priority | Severity |
| * Priority determines the defect urgency of repair | * Severity determines the defect effect on application |
| * How soon we need to fix | * How bad defect is |
| * Levels: Low   Medium  high | * Levels: Critical   Major  Moderate  Minor |
| For example: If the company name is misspelled in the home page of the website, then the priority is high and severity is low to fix it. | For example: If an application or web page crashes when a remote link is clicked, in this case clicking the remote link by an user is rare but the impact of application crashing is severe. So the severity is high but priority is low. |