**Kanban testing**

**Kanban** is a popular framework for development in the agile software development methodology. It provides a transparent way of visualizing the tasks and work capacity of a team. It mainly uses physical and digital boards to allow the team members to visualize the current state of the project they are working on.

Kanban in software testing is all about **visualizing project status to clearly understand what's sitting in a backlog waiting to get picked up, what work is currently in progress and what work is complete**.

**Kanban Cards**

The Kanban cards are essential pieces on the Kanban board as it represents the work that the team is working on. These cards will have

1. Priority
2. Owner
3. Type
4. Due date

**Kanban board**

**Kanban Board** is an agile project management tool that helps implement Kanban to manage projects for personal and business purposes. It is a physical or digital (JIRA) board designed to help teams visualize their work at different stages and processes.

**Kanban workflow**

**Kanban Workflow** is a set of steps that helps teams to define explicit policies and principles in Kanban. It represents the rules and procedures while the work is going on across various stages of development and delivery cycles. Kanban workflow consists of step-by-step processes between starting and the delivery of a particular task.

Below are the basic states that many software teams follow for their workflow management.

|  |  |
| --- | --- |
| **States** | **Understanding of tasks** |
| **To-do** | Tasks arrive here for the first time in this state. |
| **Ready for analysis** | Analyze the task and add requirements completely. |
| **Ready for development** | Analysis completed and development can start. |
| **In the development** | Tasks are being developed. |
| **Ready for testing** | Development completed, and now testing can start. |
| **In the testing** | Tasks are being tested. |
| **Ready for release** | Testing completed; release can happen. |
| **Released/Done** | Released. |

**The Four Principles of Kanban**

Four principles of Kanban

1. **Start with what you have now**: Kanban system suggests working incrementally and start with what you have currently. Since one of its practice is to improve continuously, you must improve the system gradually.
2. **Agree to Pursue Incremental, Evolutionary Change:** Kanban recommends an incremental change in the process, and you must not make a big change in the process in one go.
3. **Respect the Current Process, Roles & Responsibilities:** Once again, start with what you have now and change the process, role, and responsibilities in an incremental manner.
4. **Encourage Acts of Leadership at All Levels**: Every individual can act as a leader and provide ideas to improve the efficiency of the overall Kanban system. You should not think that this is a management level activity, and even the youngest member of the team can act as a leader.