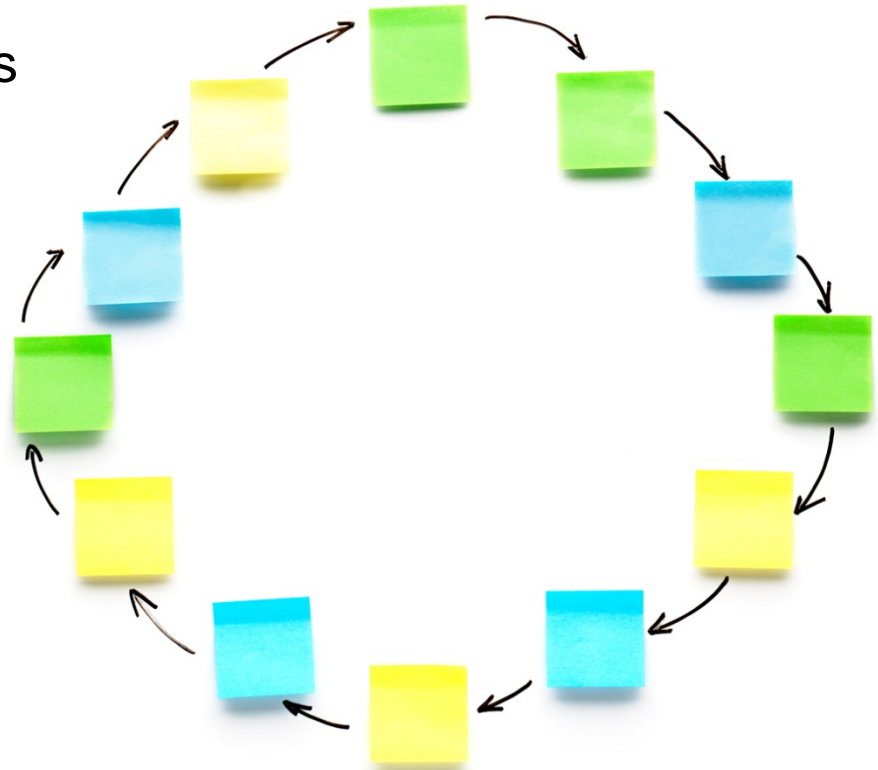


# Deloitte LEAN

LEAN Enhanced Agile for eNterprises

Agile Tour Toronto

November 3rd, 2011



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*3- Build Your First Kanban Board!*

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## Introduction

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# Today's session will help you to understand the basic elements of a Kanban board and will provide you with an interactive exercise for building a sample board

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## Kanban

- A Kanban system in the software development environment allows teams to apply “Lean” thinking to everyday work to ensure continuous work flow through a pull based system
- Kanban acts as an incremental change agent to reduce the effects of change in a work system
- A Kanban system is inspired by modern agile thinking to:
  - Visualize Work
  - Limit Work in Progress
  - Measure and Manage Flow
  - Make Process Policies Explicit
  - Enable Continuous Improvement

## Session Overview

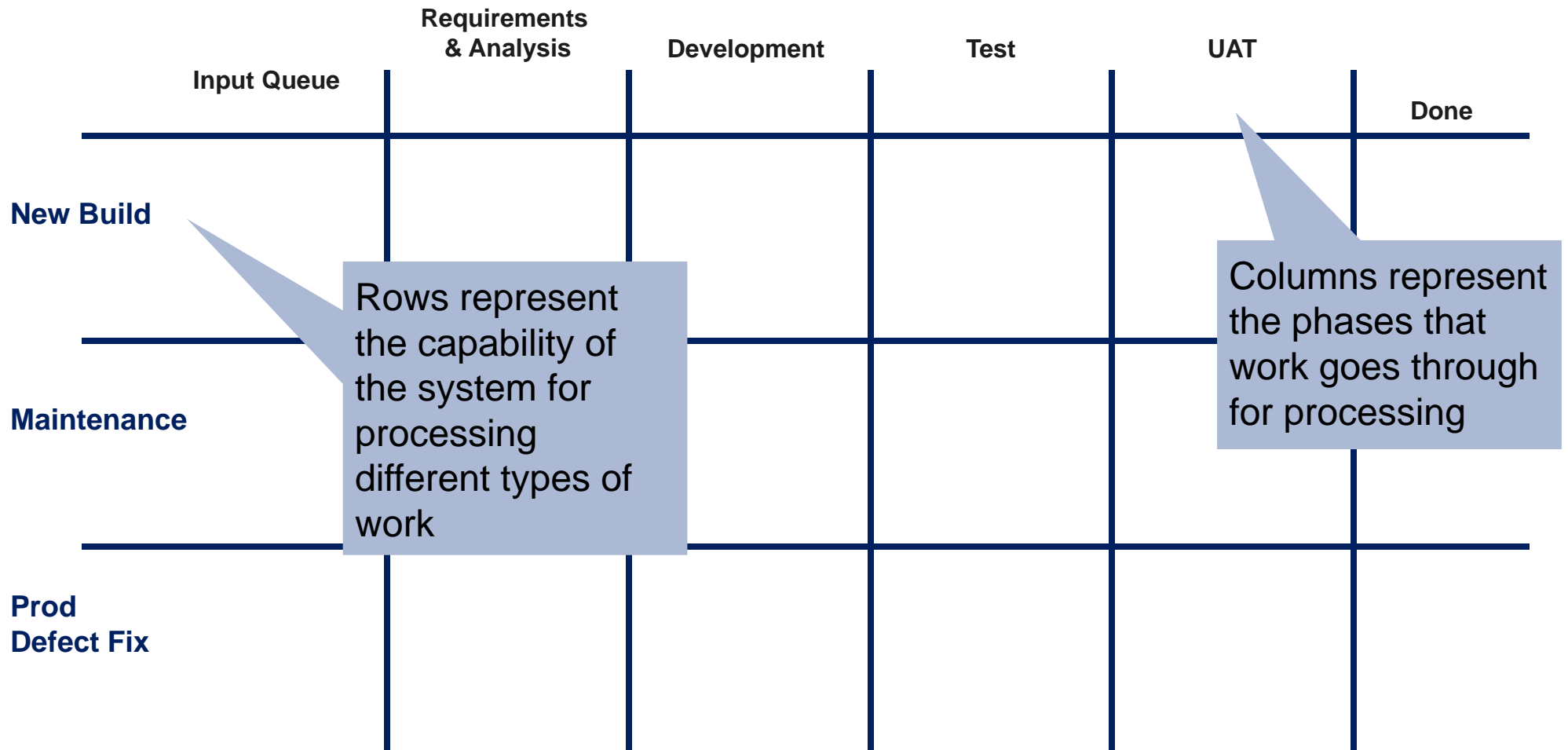
- Today's session will provide you with an overview of the main elements of a Kanban board
- You will form groups of 6 and build your own Kanban board based on a case study that you will pick from among several case studies provided
- There will be a Kanban professional for each of the groups to facilitate the exercise and an instruction sheet will be provided to guide you step by step throughout the process
- A workbook will also be provided to illustrate examples for each of the steps
- Building a Kanban board is an iterative design process to model the process workflow and work types in an organization

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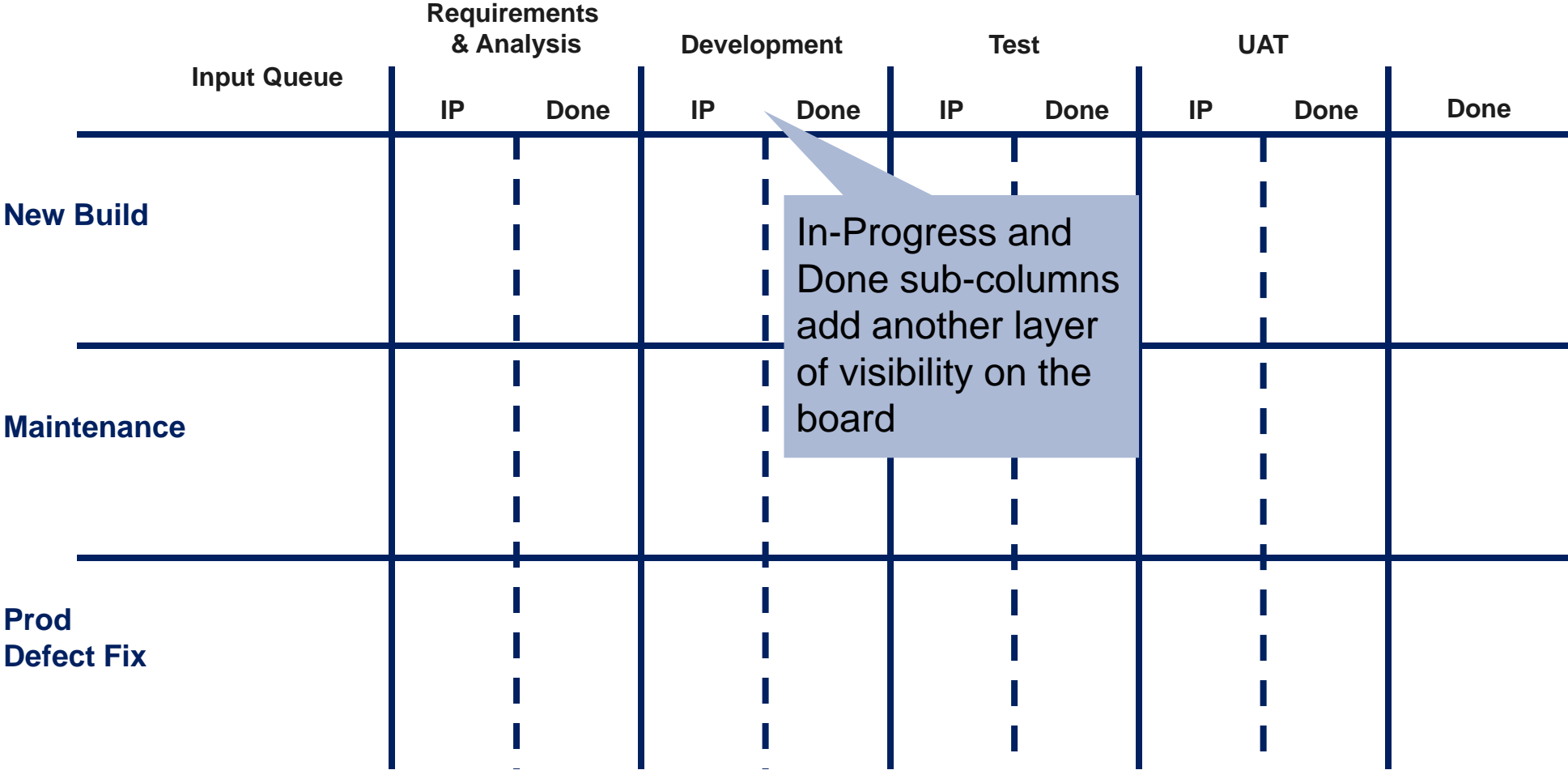
## Kanban Board Elements

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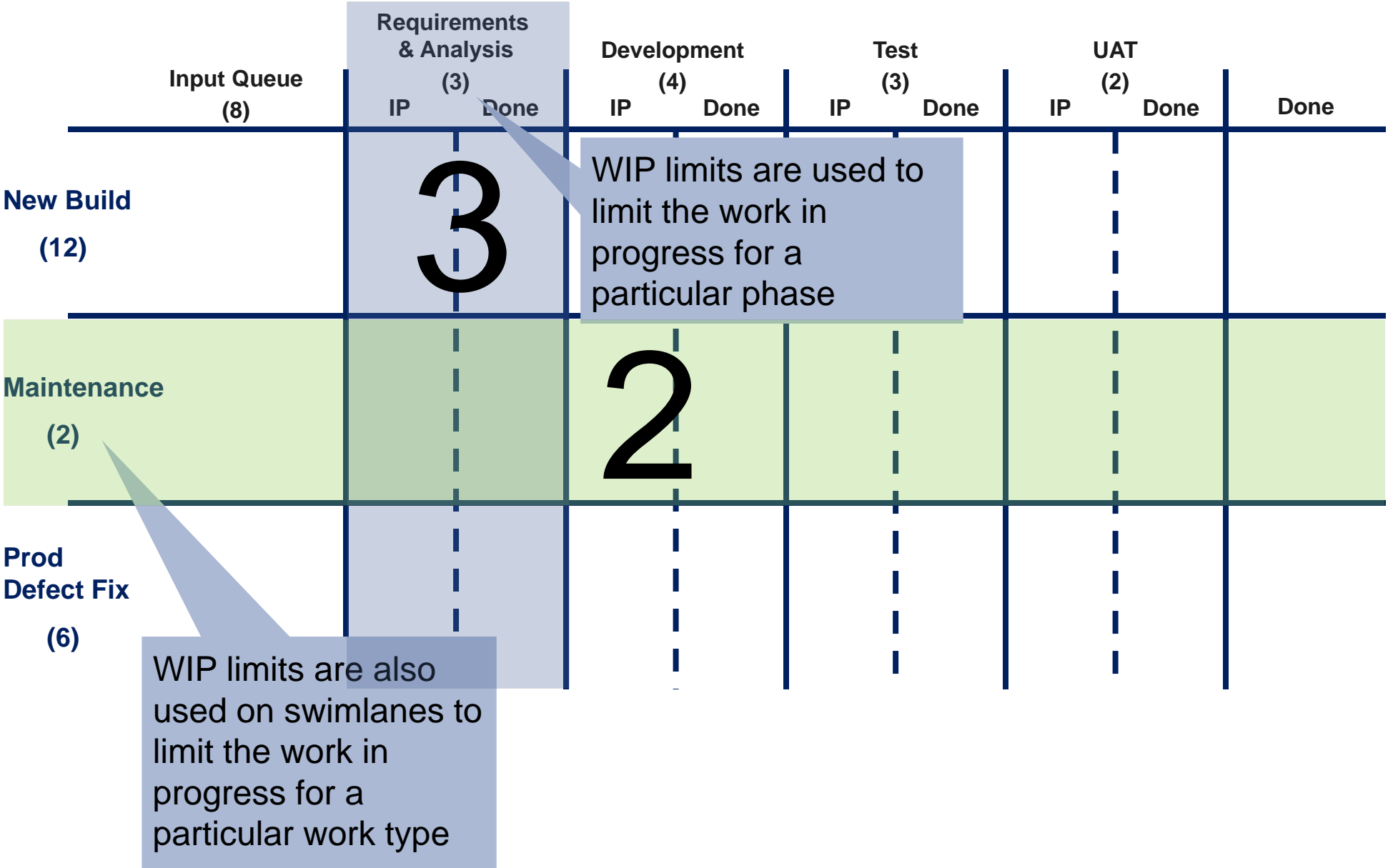
# A Kanban board enables organizations to model their process workflow, limit work in-progress and visualize work items



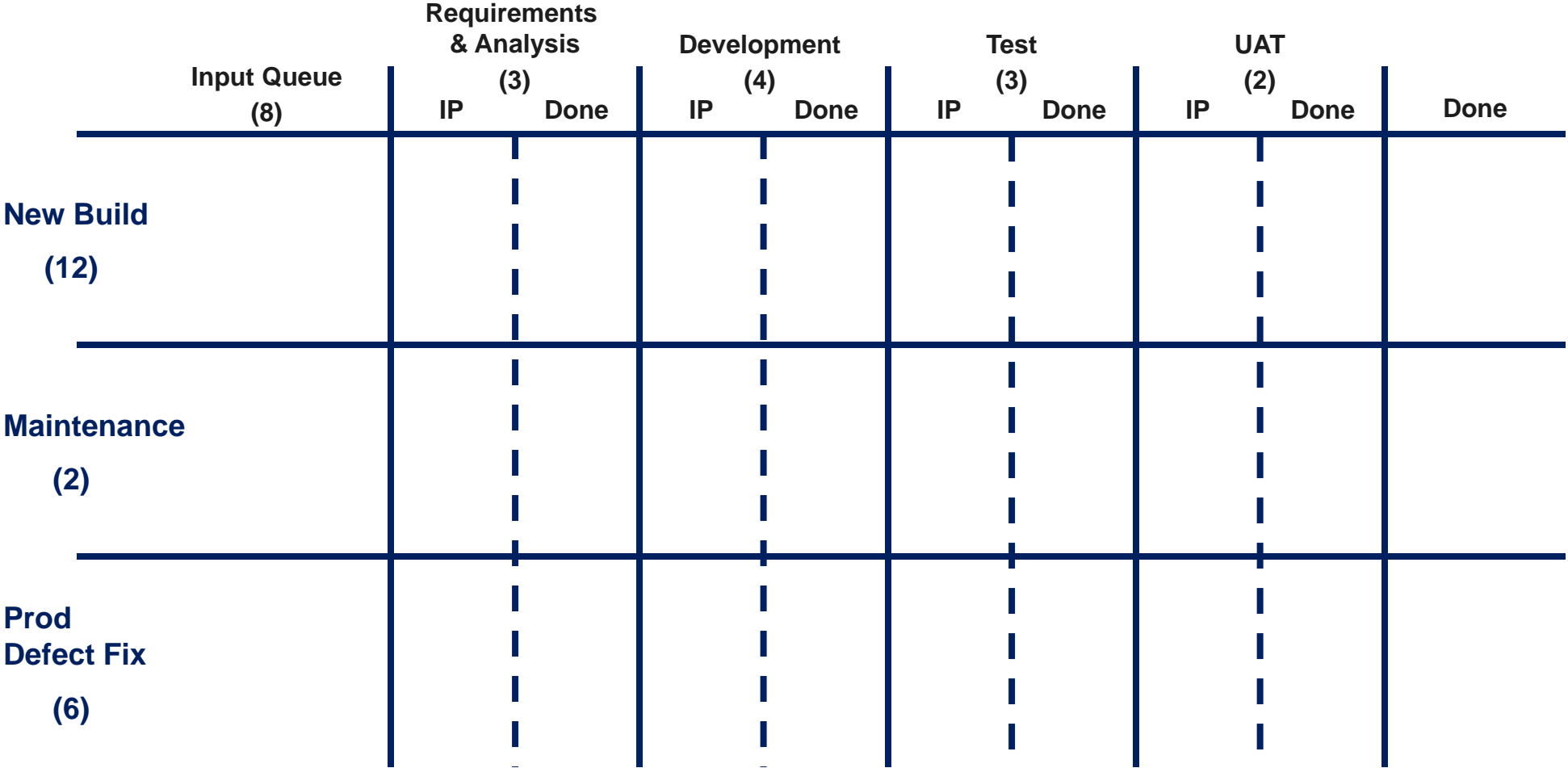
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# A Kanban board enables organizations to model their process workflow, limit work in-progress and visualize work items



# A Kanban board enables organizations to model their process workflow, limit work in-progress and visualize work items



- Work Ticket
- Blocker
- Defect

Define ticket types and their colours to visualize work tickets and obstructions

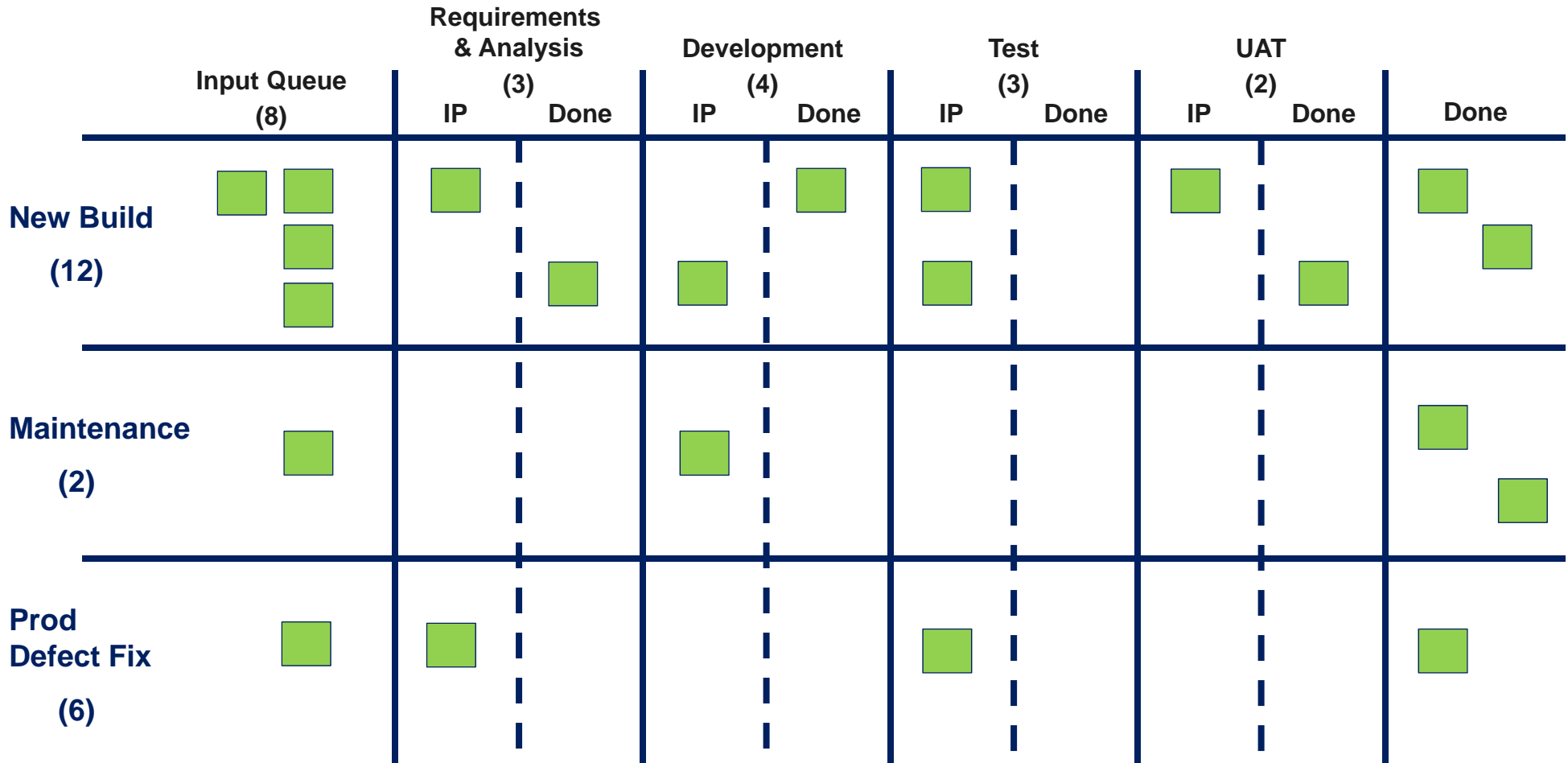
# A Kanban board enables organizations to model their process workflow, limit work in-progress and visualize work items



- Work Ticket
- B Blocker
- D Defect

Populate the board with current work in the system

# Explicit policies help in resolving issues and obstructions



## Board Policies

- Work tickets must be reviewed once every two weeks.

- Developers must put current work on-hold if a high severity defect is found in test.

- Only 1 work ticket can be assigned to any tester at any given time.

Policies are set in place to govern the behaviour of the process

# Explicit policies help in resolving issues and obstructions

	Work is blocked	Work is blocked	Work is blocked	Bottleneck	Team is idle	
	Input Queue (8)	Requirements & Analysis (3) IP Done	Development (4) IP Done	Test (3) IP Done	UAT (2) IP Done	Done
<b>New Build</b> (12)						
<b>Maintenance</b> (2)						
<b>Prod Defect Fix</b> (6)						
<b>Board Policies</b>		- Work tickets must be reviewed once every two weeks.	- Developers must put current work on-hold if a high severity defect is found in test.	- Only 1 work ticket can be assigned to any tester at any given time.		

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**Build Your First Kanban Board!**

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## Exercise: Building a Kanban Board

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### Exercise Overview

In your Groups

- Make sure each of you has the following material:
  1. **Case studies & high level Instructions to build a Kanban Board**
  2. **Workbook (detailed steps)**
- Form groups of 6 people
- If you are a Kanban professional, please join a group and help in facilitating the exercise