



SOFTWARE ENGINEERING

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AGILE SOFTWARE DEVELOPMENT



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Outline

Introduction

Terminology

The agile principle

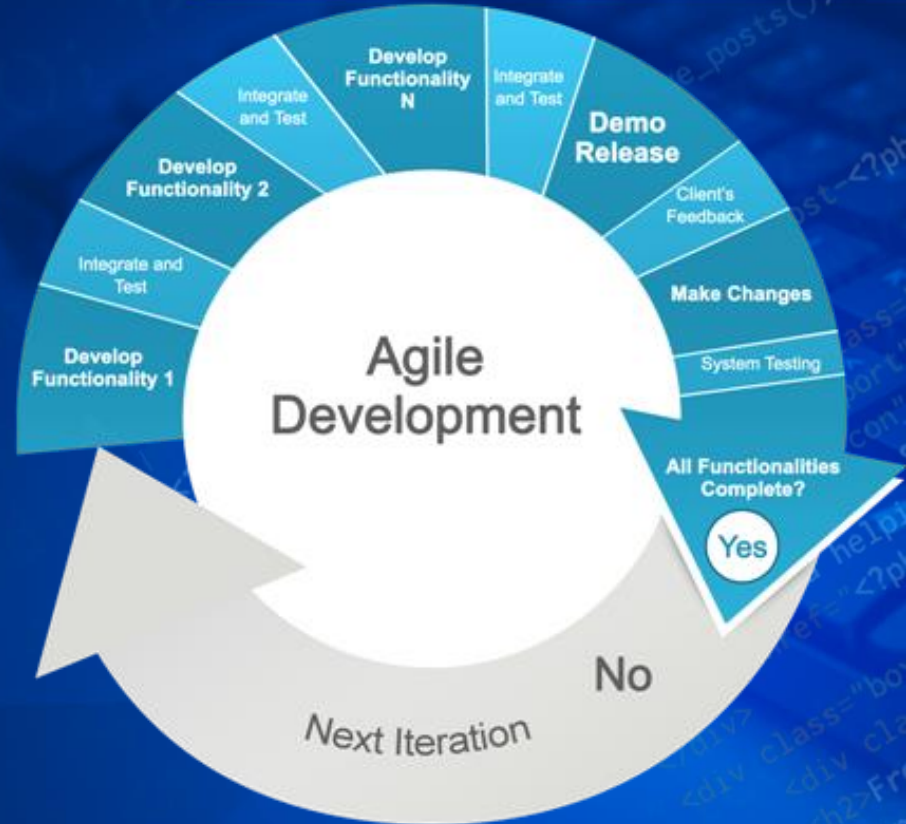
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What is Agile

Able to move quickly and easily.

The ability to both create and respond to change in order to profit in a turbulent business environment.

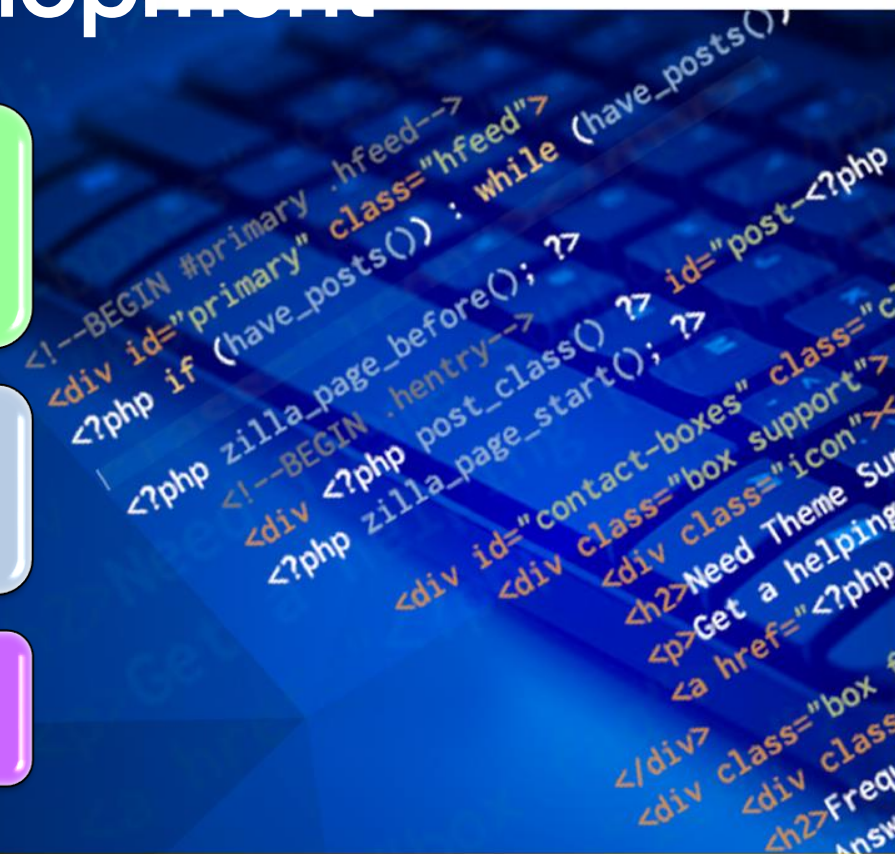


Agile Software Development

A conceptual framework for software engineering that promotes development iterations throughout the life-cycle of the project

Software developed during one unit of time is referred to as an iterations, which may last from 1-4 weeks.

Also emphasize working software as the primary measure of progress.



Agile Method

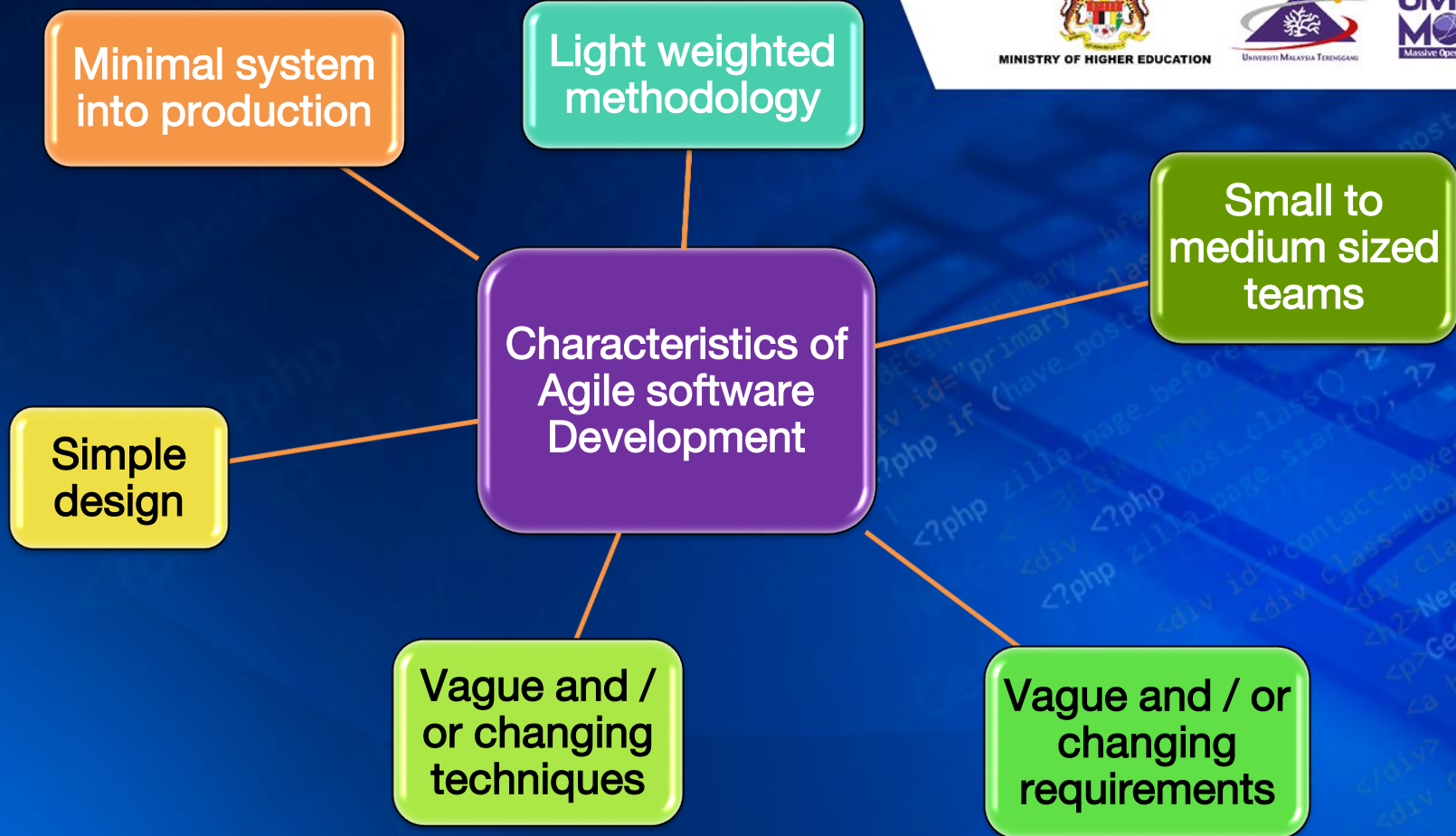
Are based on an iterative approach

Focus on the code rather than the design

Are intended to deliver working software quickly

Aim: To reduce overheads in the software process

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Agile Principle - I

Highest priority is to satisfy the customer.

Welcome changing requirements.

Deliver working software frequently.

Business people and developers must work together.

Build projects around motivated individuals.

Agile Principle - II

Simplicity

Self-organizing teams.

The team reflects on how to become more effective.

Agile Principle - III

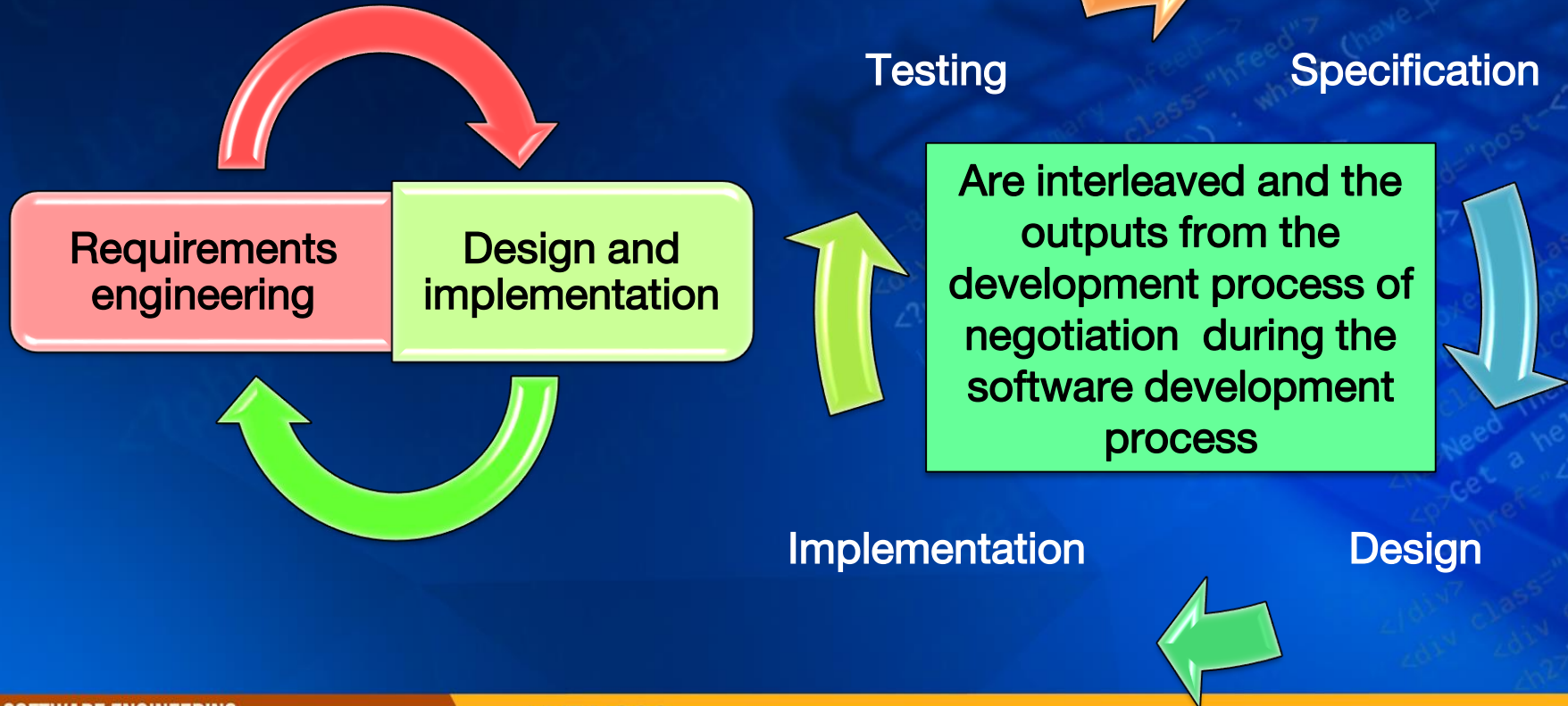
Face-to-face conversation.

Working software is the primary measure of progress.

Agile processes promote sustainable development.

Continuous attention to technical excellence and good design enhances agility.

Agile Development



Agile Project Management

Software project manager

Plan driven

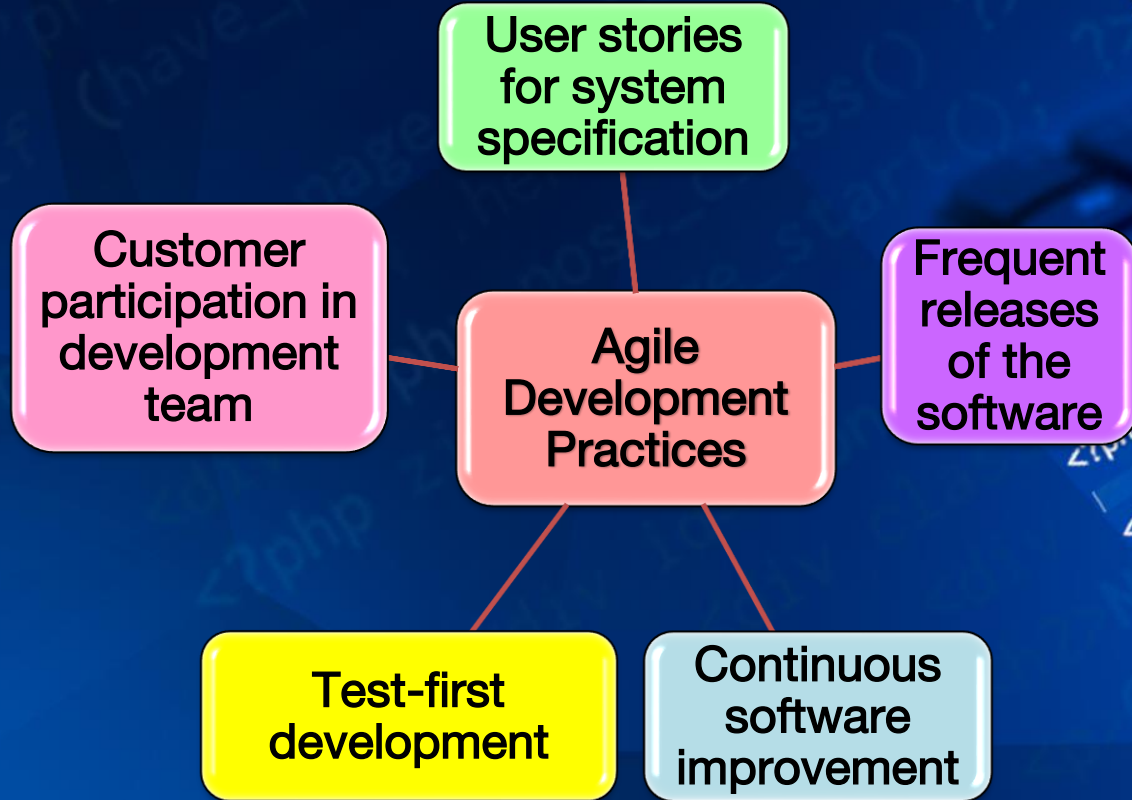
Agile project management

to manage the project so that the software is delivered on time and

draw a plan for the project showing what should be delivered, when it should be delivered and who will work on the development project

requires a different approach, which is adapted to incremental development and the particular strengths of agile methods.

Conclusion



Conclusion



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Rapid
software
development

Frequent
releases of
the software

Reducing
process
overheads

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