



Agile Intro

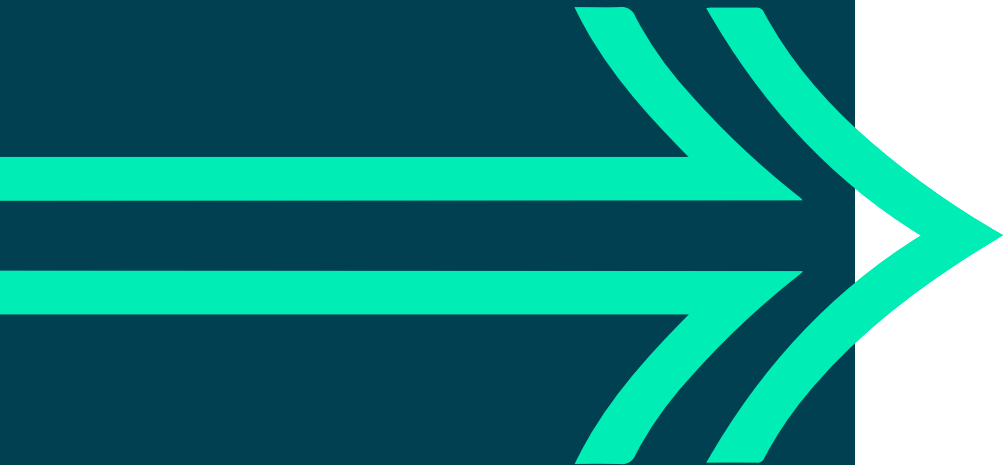




AGILE INTRO

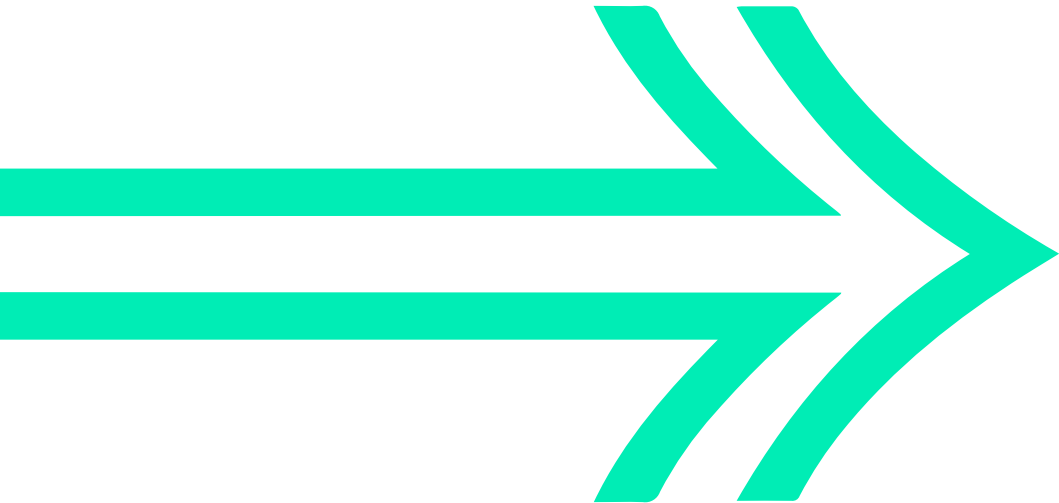
Agile is one of the more common Software Development methodologies that is in current circulation

Agile is not any one thing or a set of specific instructions to follow, but more of a mindset and paradigm of evolving software design





Agile Values



Agile consists of 4 Values

Individuals and Interactions over
Processes and Tools

Working Software over Comprehensive
Documentation

Customer Collaboration over Contract
Negotiation

Responding to Change over Following a
plan



Agile Principles

Early Delivery of Product

Adapt to Change

Frequent Delivery

Business and Developers Cooperation

Teams Self Organisation

Moderated Individuals

Working Software

Face to Face Interaction

Technical Brilliance

Maintain a Constant Pace

Regular Reflection and Adjustment

Simplicity



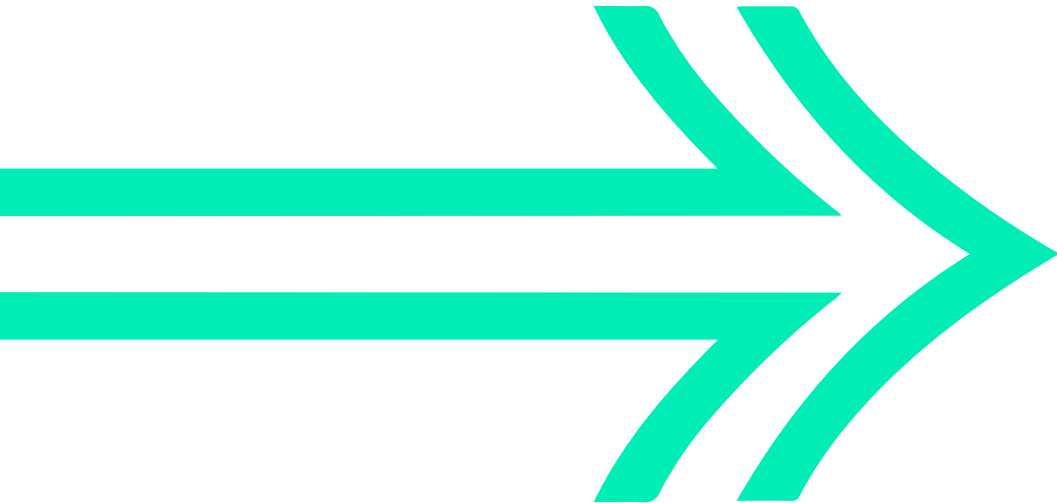


Empirical Process Control

Empirical Process Control is the concept of working with the use of observed facts and experience over theory of pure logic.

Working in an Empirical manner is working with what we know rather than meticulous planning

- Transparency – Transparent with information to all stakeholders
- Inspection – Better inspection of people, processes, tech and product
- Adaptation – Based on findings of inspection and transparency, be willing to update and change





SOFTWARE DEVELOPMENT LIFE CYCLE

Software Development Life Cycle (SDLC) are the 'steps' needed to create any piece of functional software

There are 6 stages to this outlined below:

Requirements: For a software product to be made, there must be a demand for it.

Analysis: Requirements are analysed, data models and business rules or logic are generated

Design: Planning of how the modules of the code will work, what each will do and how they interact

Coding: Following Design step, coding and working on the software creating functionality and unit testing

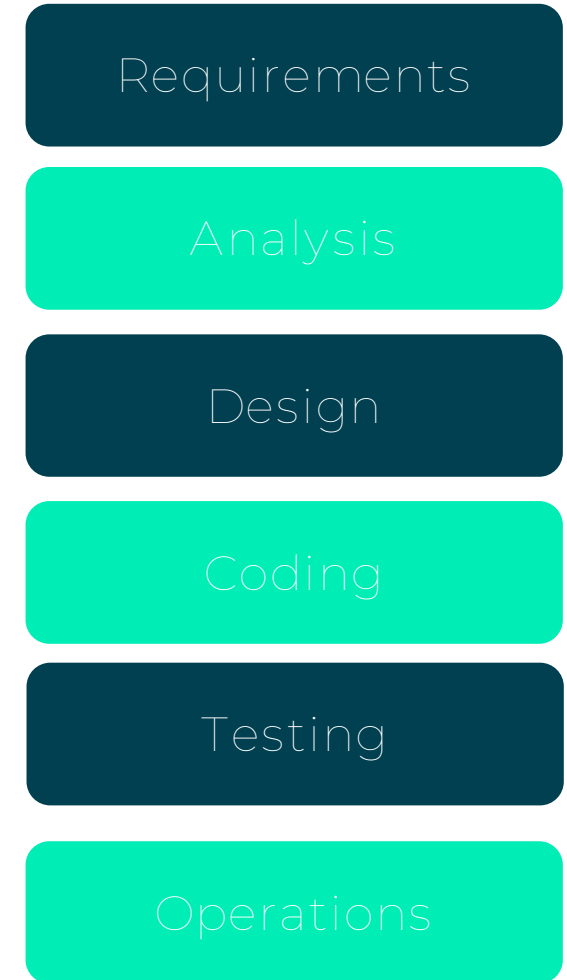
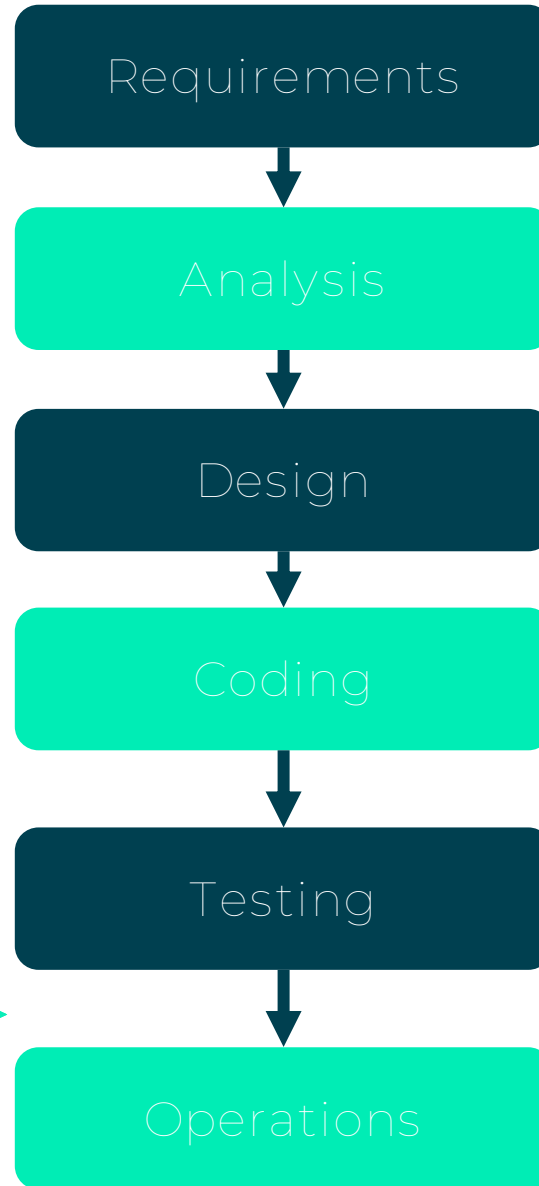
Testing: More extensive testing, such as functional, penetration and security testing and User Accessibility Testing

Operations: Deploying the application and going live. Stage will stay active and maintained until it is decommissioned



WATERFALL VS AGILE

Rigid, go from stage
to stage



Go backwards and
forwards from stage
to stage