Top-down Approach

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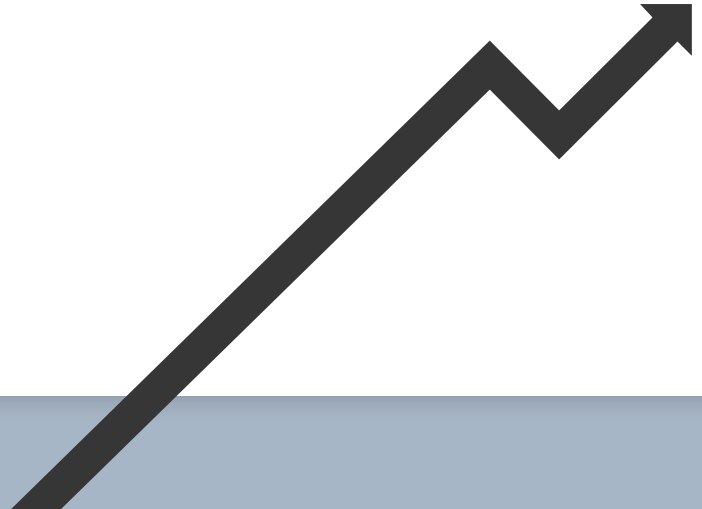

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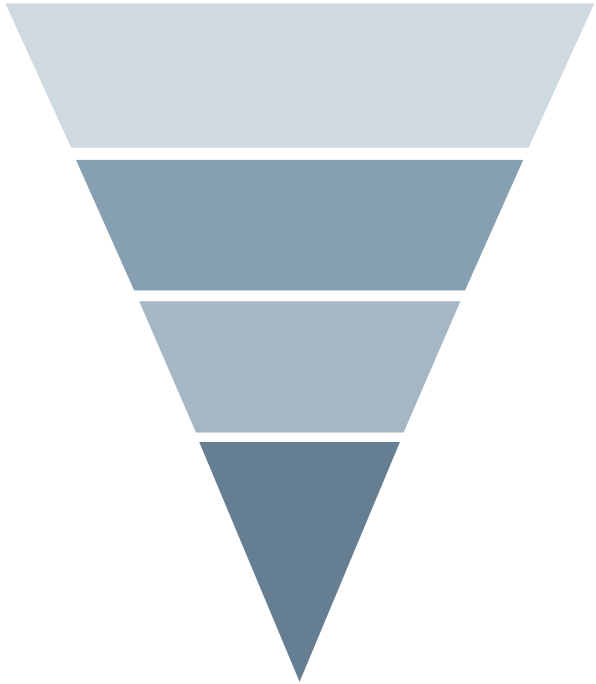
Introduction

Have you ever want to learn a new technology and don’t know how to start?

You can do that with right methodologies and Top-down approach is one of them



What is Top-down approach?

A methodology start with high-level then break down into smaller components

Used in problem-solving, education, project management and system analysis

Focus on overall structure rather than the detail

02
Benefits

Six Benefits Of Top-down Approach

Contextual understanding

Provide context, and see how individual components fit into larger framework

Motivation and Confidence

Motivated by a clear vision of the overarching goal

Consistency

Unified vision, comprehensive view

Efficiency

Could concentrate on high-impact areas first

Clear communication

Transmitting information from higher levels to lower levels in a structure manner

Prioritization

Identify key component and prioritizing based on significance

Meet Sarah

A software developer with a passion for staying at the forefront of technology. Sarah decided to embrace a new programing language, Rust.

At first, Sarah overwhelmed herself with Rust's **documentation and advanced topics**

Wrong learning method make Sarah **confused and demotivated**

After that, Sarah found the Top-down Approach

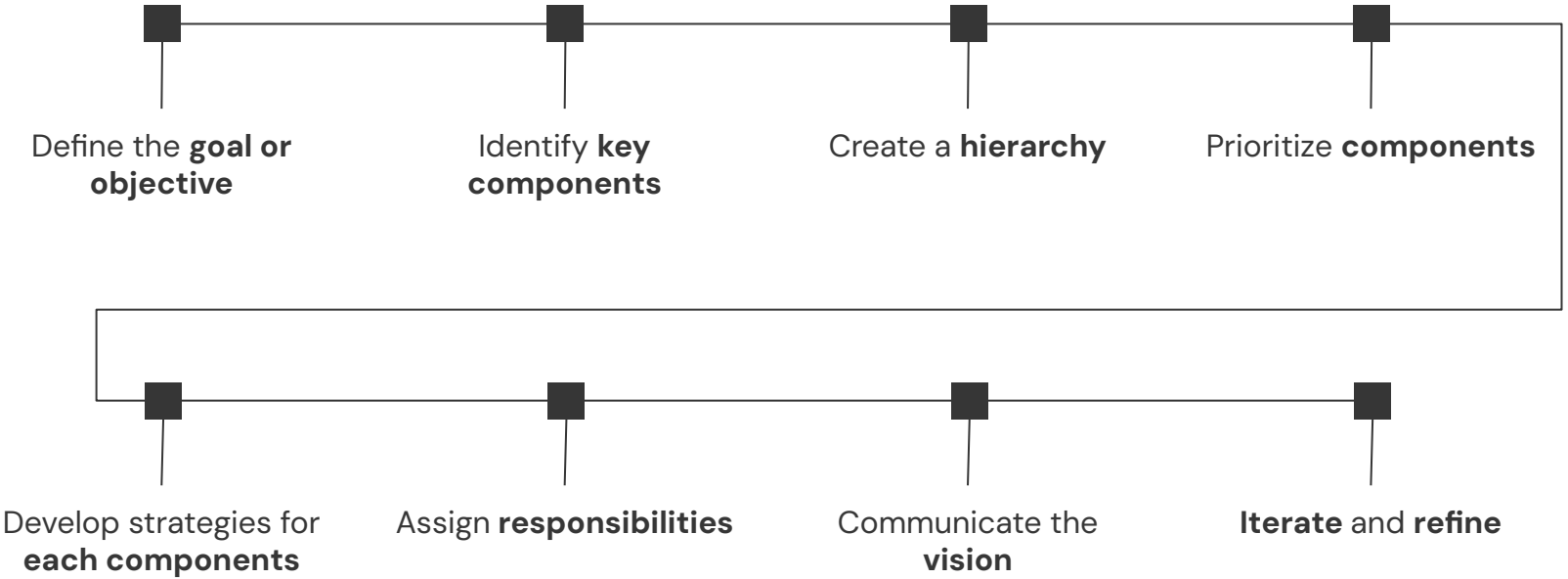
She can set a clear and overarching goal for mastering Rust

Sarah can see entire landscape of Rust, including core principles, syntax, and key features

03

How To Apply

Step To Apply Top-down Approach



Back to Sarah!

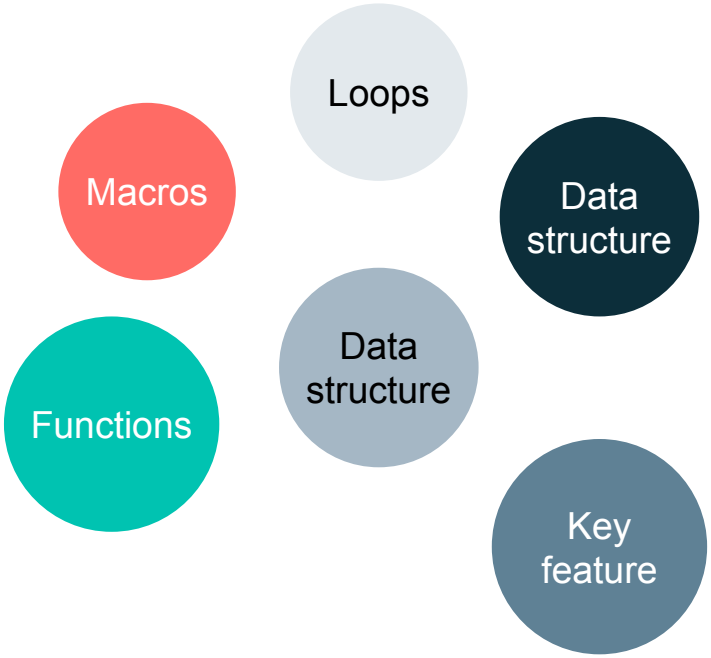
How did she applied the Top-down Approach?

Phase 1: Setting the Goal

Sarah began by setting a clear goal: mastering Rust to **develop efficient and secure applications**

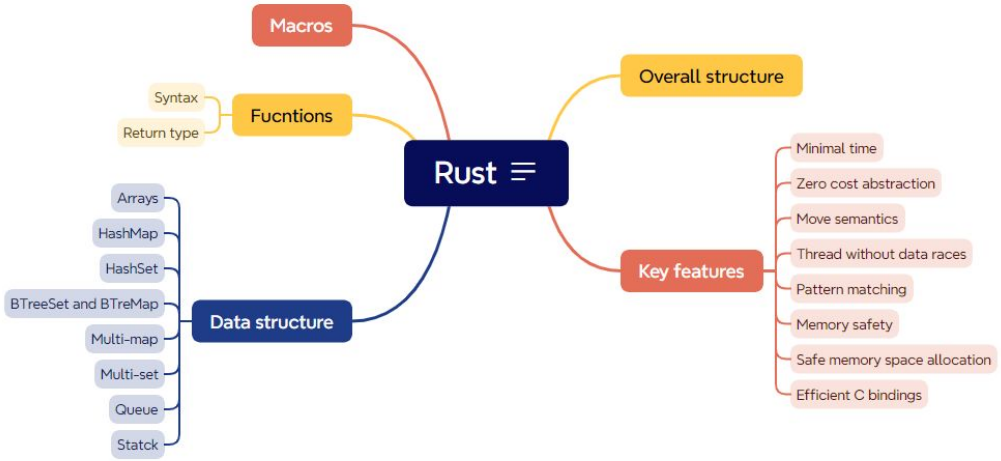
Phase 2: Identify key components

Sarah **identified** Rust's syntax, core principles, overall structure and key features of Rust



Phase 3: Create a hierarchy

She created a **mindmap** with **hierarchy structure** of the identified key components



Phase 4: Prioritize components

From holistic perspective Sarah can easily **prioritize components** to begin with

04

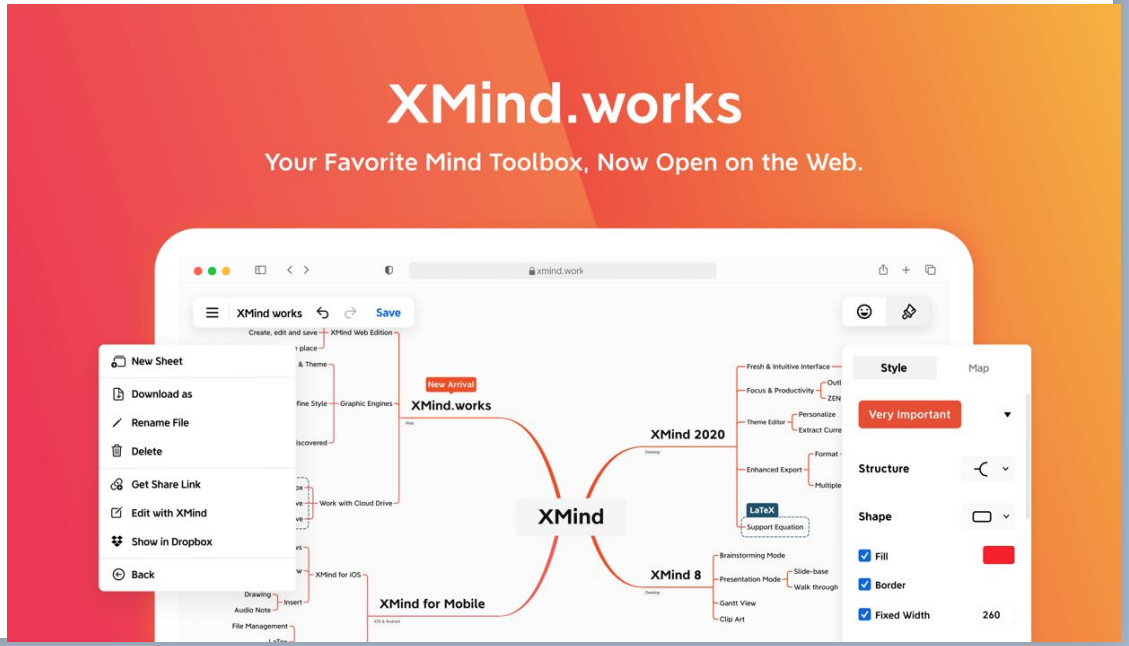
Support Tools

ChatGPT

An AI assistance helping you to **generalize** tone of **information** instead of step by step searching

Xmind

A mind mapping tools helping you to build up a **hierarchy structure**



Thanks!

Do you have any questions beside the presented content?

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