CHALLENGE 0: WHAT'S YOUR CURRENT VERSION

Journey To Your Best 2024

Virtual Internship Program 2024

Present By: Dang Quoc Hung



Top Down Approach

O2 Learning How To Learn
And Learn Fast

Autonomy At Work

The Smart Question

01 Top Down Approach

WHAT

What is the Top-down approach?

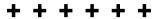
WHY

Why should the Top-down approach be applied?

HOW

How to implement the Top-down approach effectively?





Top down Approach

The top-down approach is a problem-solving methodology that starts with the big picture and gradually breaks it down into smaller, more manageable pieces





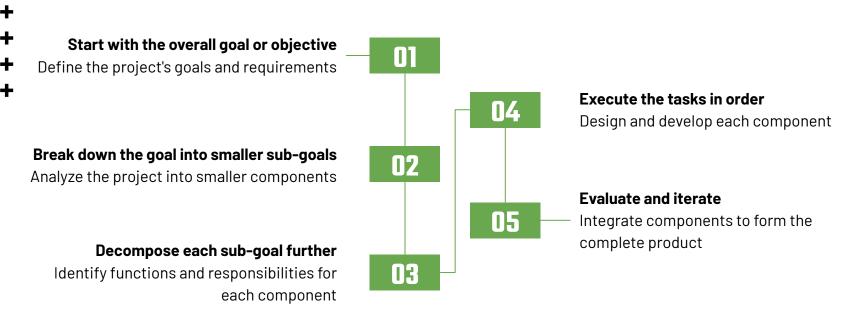
Advantages of Top-down approach

Provides an Overview, Risk Reduction, Increases Efficiency

Gives programmers a holistic view of the project Reduces risks by identifying potential issues

Increases efficiency by focusing on crucial components

How to Implement Top-down approach







Comparison of Top-down and Bottom-up approach

Top-down approach

Pros

- Provides an overview
- Risk reduction
- Increases efficiency

Cons

- May overlook important details
- Less flexible to changes in requirements

Bottom-up approach

Pros

- Focuses on important details
- Flexible with changes in requirements

Cons

- May lack an overview
- Can lead to time and effort wastage





Coordination between Top-down and Bottom-up approach

Use Top-down to determine goals and requirements

Use Bottom-up to analyze smaller components and identify functions

Use Bottom-up to integrate components into the final product

Use Top-down to design and develop larger components



02 Learning How To Learn And Lear Fast

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Learning How to Learn and Fast Learning for Programmers

Anyone can learn how to learn and fast, regardless of age, educational background, or profession

Programmers, in particular, need to emphasize continuous learning to keep up with the rapid development of technology



What is Learning How to Learn And Learn Fast?

Learning How To Learn

- The process of developing effective learning skills and strategies
- Involves understanding one's own learning style, setting learning goals, and creating a study plan

Learn Fast

- The ability to quickly absorb and process new information effectively
- Involves focus, memory retention, understanding, practical application, and review





When and Where to Apply Learning How to Learn And Fast Learning?

Learning How To Learn

- Apply when wanting to learn something new, such as a new programming language, skill, or concept
- Can be done anywhere: at school, at home, in class, or online

Learn Fast

- Apply when wanting to learn something new within a short timeframe, such as a new programming language, skill, or concept.
- Can be done anywhere: at school, at home, in class, or online.



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Why Learning How to Learn is Important And Programmers Need to Learn Fast?

Learning How To Learn

- Addresses the challenges of the ever-changing field of programming
- Helps programmers learn new languages, adapt to technological changes, solve complex problems, and enhance creativity

Learn Fast

- Update knowledge and skills to keep up with rapidly changing technology
- Increases career opportunities as employers value programmers with quick learning abilities





How to Implement the Learning How to Learn Process And Learn Fast Process?

Learn Fast

- Understand your learning style, set goals, and develop a study plan
- Apply fast learning skills such as focus, review, using learning tools and resources, and seeking help when needed

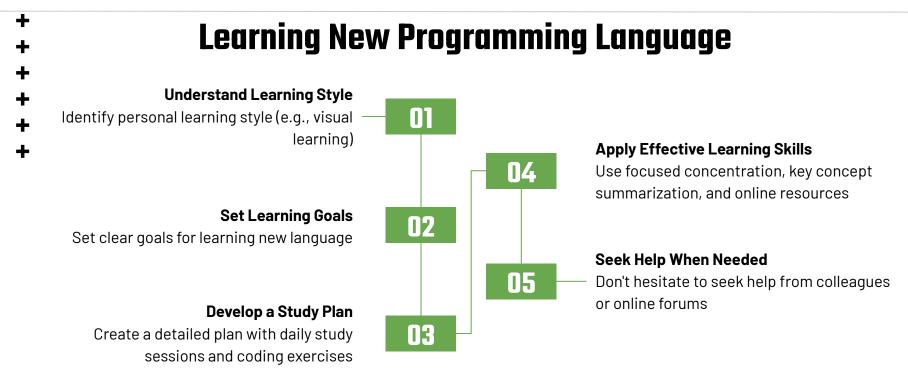
Learning How To Learn

- Understand your learning style, set goals, and develop a study plan
- Apply effective learning skills like focus, identifying key points, practicing, and reviewing



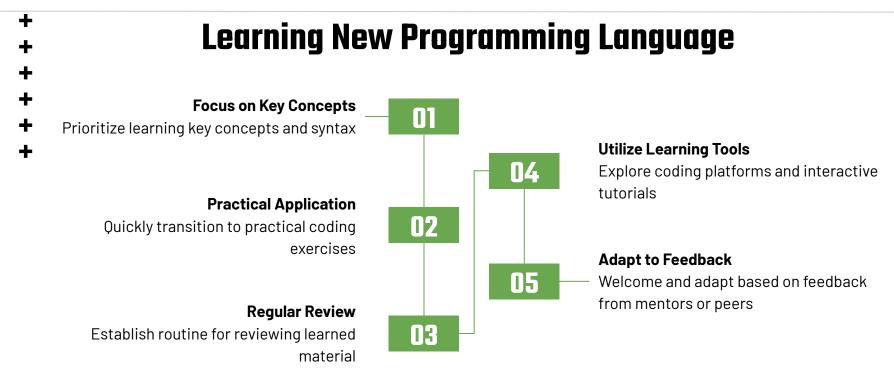


#Case Study 01 - Learning How to Learn





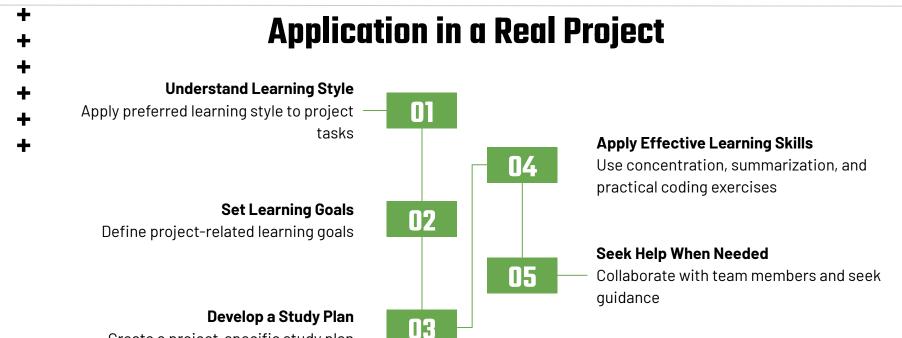
#Case Study 01 - Learn Fast





#Case Study 02 - Learning How to Learn

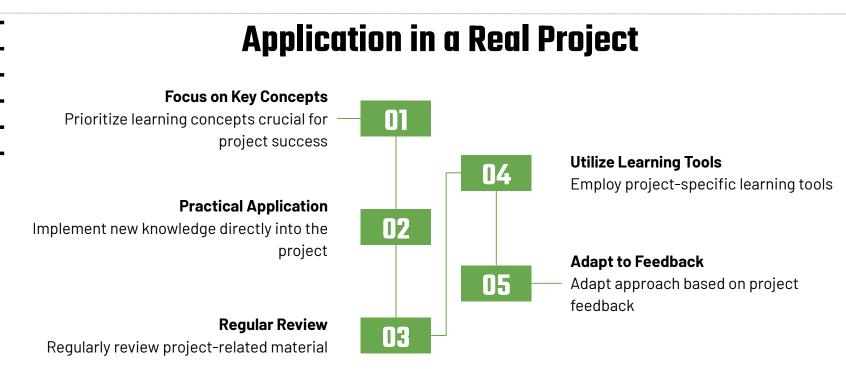
Create a project-specific study plan





#Case Study 02 - Learn Fast







03 Autonomy At Work

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WHO

Who benefits from autonomy at work in the field of software development?

WHAT

What does autonomy at work mean for a software developer?

WHEN

When is autonomy crucial in the career of a software developer?

WHERE

Where does autonomy come into play in the work environment for software developers?

WHY

Why is autonomy important for a software developer's professional growth?

HOW

How can a software developer achieve autonomy in their work? How does autonomy contribute to the effectiveness and innovation in software development?







Who benefits from autonomy at work in the field of software development?





Programmers and Autonomy

- Autonomy allows control over tasks, decision-making, learning, and creativity
- Increased job satisfaction, motivation, and higher efficiency

Benefits for Companies

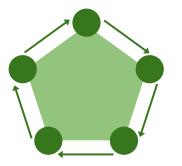
- Autonomous programmers are proactive, more responsible, and contribute more to projects
- Results in higher-quality products, faster development times, and fewer errors



What does autonomy at work mean for a software developer?

Control over tasks

Problem Solving



Decision-making

Innovation and Proactivity

Learning and Development

Autonomy is a crucial factor in one's career



When is autonomy crucial in the career of a software developer?



When projects demand creativity and flexibility

When working in a flat, less hierarchical environment



Where does autonomy come into play in the work environment for software developers?

Personal planning, choosing tools, and methods

Active participation in meetings, providing input, and proactively discussing technical issues



Why is autonomy important for a software developer's professional growth?

Promotion of creativity and innovation (

Enhancement of job effectiveness

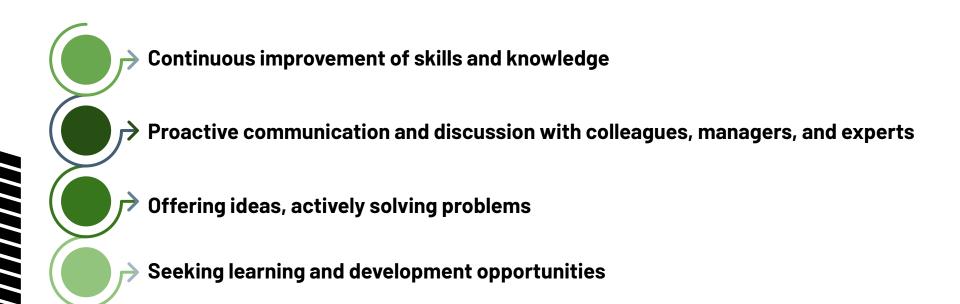


Increased job satisfaction

Improvement of skills and knowledge

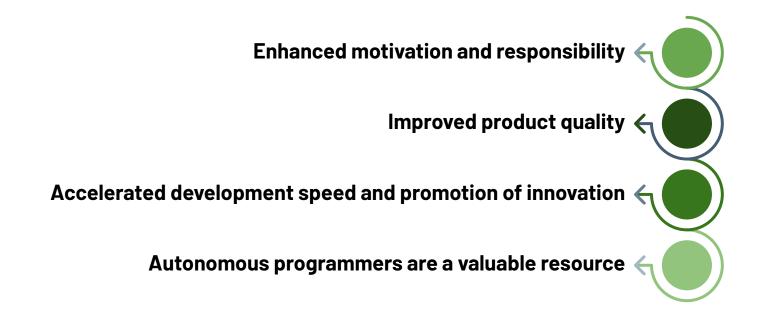


How can a software developer achieve autonomy in their work?





How does autonomy contribute to the effectiveness and innovation in software development?



04 The Smart Question

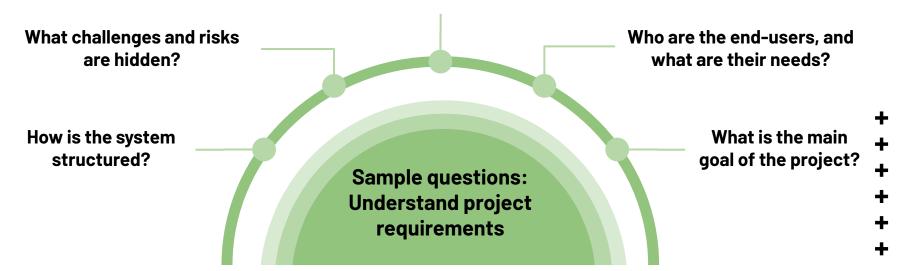
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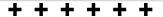




What are the criteria for evaluating product quality?







Improves communication and collaboration

Identifies hidden problems

Importance of Smart Questions

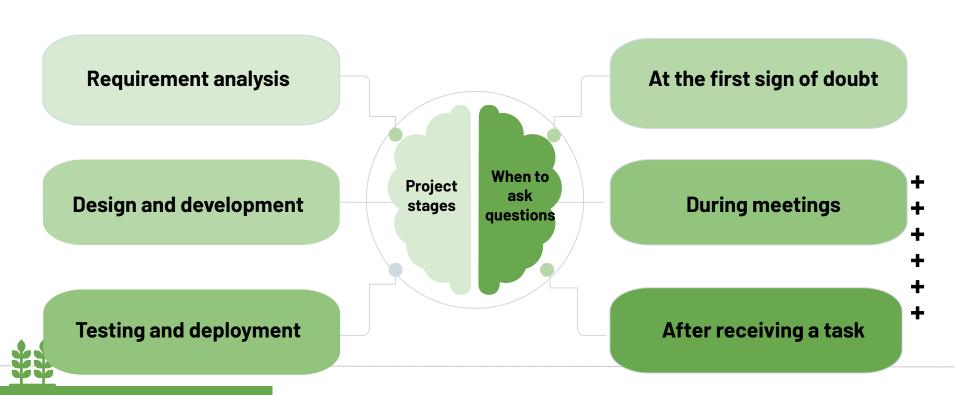
Promotes creativity and innovation

Enhances product quality





Stages and Timing of Asking Questions



Individuals to Ask Questions and Questioning Skills

Key individuals	Questioning skills
Project managers	Regular practice
Software architects	Research relevant topics
Business analysts	Pay attention to how questions are framed
Testers	Actively listen



Roles of Smart Questions

Efficient problem-solving

Proposing ideas and improvements

Developing critical thinking



Thanks!

Do you have any questions?

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