

WHAT IS TOPDOWN APPROACH AND HOW TO APPLY IT IN ASSIGNMENT

1. TOPDOWN APPROACH

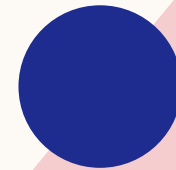
Introduction

Features

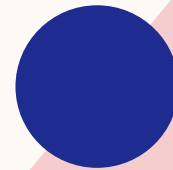
How to activity

Application

Pros and cons



2. HOW TO I APPLY IT



A woman with curly hair, wearing a striped shirt, a black vest, and black pants, is smiling and holding a large white sign. The sign has the word 'INTRODUCTION' written on it in blue capital letters. The background is a light beige color with abstract geometric shapes in green, blue, and pink on the left side.

INTRODUCTION

DEFINITION

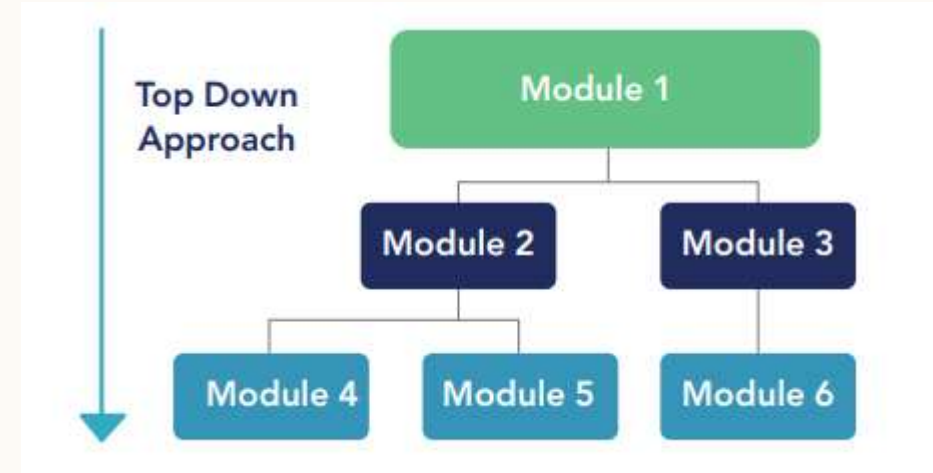
Top-down approach is an approach to accost the problem from overall to detail or from top to bottom. This approach is used in many different fields such as : investment, programming, construction,... This approach starts with big picture (general goals, principles, or concepts) and then breaks down into smaller segments (analyzes, designs, or implements specific details) to achieve the goal.

A decorative graphic on the left side of the slide, consisting of several overlapping triangles in shades of pink, blue, and olive green, meeting at a central point.

FEATURES

FEATURES

- Must identify end goals
- In a certain order
- Difficult to change
- Information flow goes from top to bottom



A decorative graphic on the left side of the slide, consisting of several overlapping triangles in shades of pink, blue, and olive green.

HOW TO WORK AND WHEN USE IT



HOW TO WORK

The top-down approach, also known as the "top-down design" or "stepwise refinement," is a method of problem-solving that starts with an overview of the problem and divides it into smaller sub-problems. It involves breaking down a complex system into smaller, more manageable components and solving each component individually, ultimately leading to the solution of the overall problem. This approach is helpful in software development, project management, and other fields where complex tasks must be decomposed into smaller, more manageable parts.



WHEN USE IT

- The problem is complex and needs to be broken down into smaller, manageable parts.
- There is a need to understand the big picture before diving into details.
- A clear understanding of the end goal is required before starting the project.
- The solution can be divided into smaller subproblems that can be solved independently.
- The problem has multiple potential solutions, and a top-down approach can help prioritize and evaluate them.



APPLICATIONS



APPLICATIONS

There are many applications in many fields such as economics, management, information technology, health,...

- Management: the leaders or executives of an organization make the strategic decisions and communicate them to the lower-level employees for execution.
- Programming: a programmer starts with the main function or the overall logic of a program and then defines the sub-functions or the details of each step.
- Education: teacher or an instructor presents the general concepts or principles of a subject and then guides the students to explore the specific examples or applications.
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PROS AND CONS

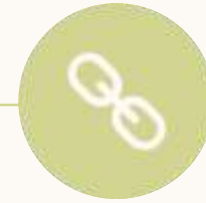
PROS



**EASY TO UNDERSTAND
AND IMPLEMENT**



**PROVIDES CLEAR OBJECTIVES
AND EXPECTATIONS.**



**ENSURE THE PROCESS
MOVES TOWARDS THE END
GOAL AND EASY TO
MANAGE**

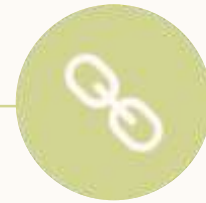
CONS



INFLEXIBLE TO CHANGE

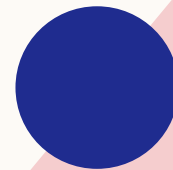


**REQUIRES HAVE CERTAIN
GENERAL KNOWLEDGE,
ABILITY TO EVALUATE AND
ANALYZE.**



**TAKES TIME AND INITIAL
INVESTMENT TO DEFINE
GOALS AND DESIGN**

2. HOW TO I APPLY IT



HOW TO APPLY IT

To apply the top-down approach to assignment, I these steps:

- Determine the goal of the assignment
- Analyze the assignment.
- Provide solution and break down assignment .
- Detail the solution.
- Do it.
- Summarize and check.

HOW TO APPLY IT

And I apply it to do assignment about answering for topic “ What is top-down approach ?” :

Determine the goal:

The goal of answering the question and creating the slide is to provide a clear and basic understanding of the top-down approach.

Analyze questions and topics: The question "What is top-down approach?" requires a clear and concise definition of this approach. The topic "top-down approach" includes the following concepts: Introduction, Features, How to activity, Application, Pros and cons

Provide solutions and break down the topic: The solution is to provide a clear definition of the top-down approach. Break the topic down into sections: Introduction: Definition of top-down approach. Features, How to activity : List some features and explain how to work. Pros and cons: Analyze the positive and negative aspects of the method.

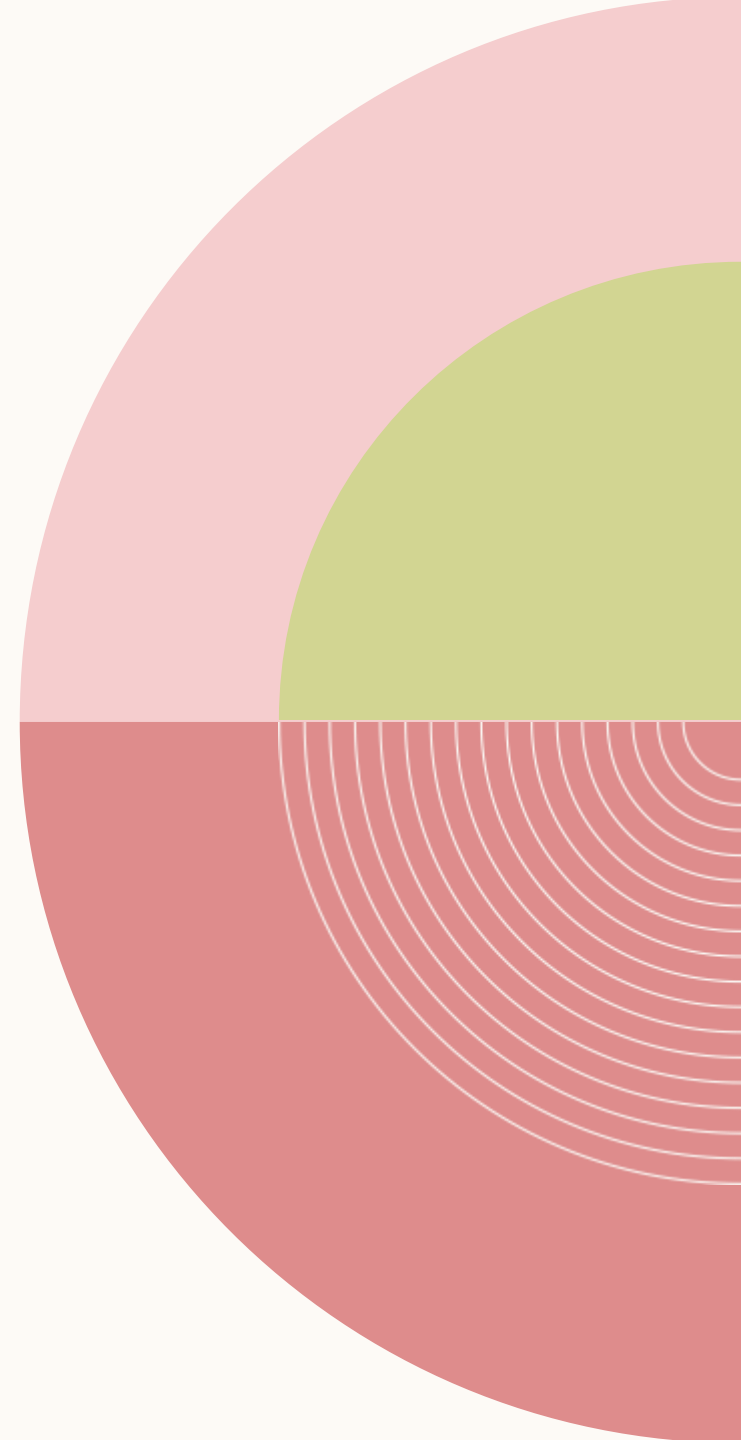
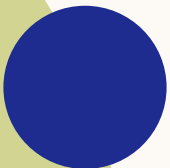
HOW TO APPLY IT

And I apply it to do assignment about answering for topic “ What is top-down approach ?” :

- Detail the solution: Dive into each section broken down above, providing detailed and easy-to-understand information.
- Do it: Build slides: Create neat, beautiful and easy-to-follow presentation slides
- Summary and check: Summarize the main points of the presentation. Check that the content is accurate, clear and complete.

SUMMARY

Top-down approach is an approach to accost the problem from overall to detail or from top to bottom and it is also applied in many fields. We need to know the advantages and disadvantages to apply it to different fields or processes to use them effectively.





THANK YOU