PROTOTYPING MODEL

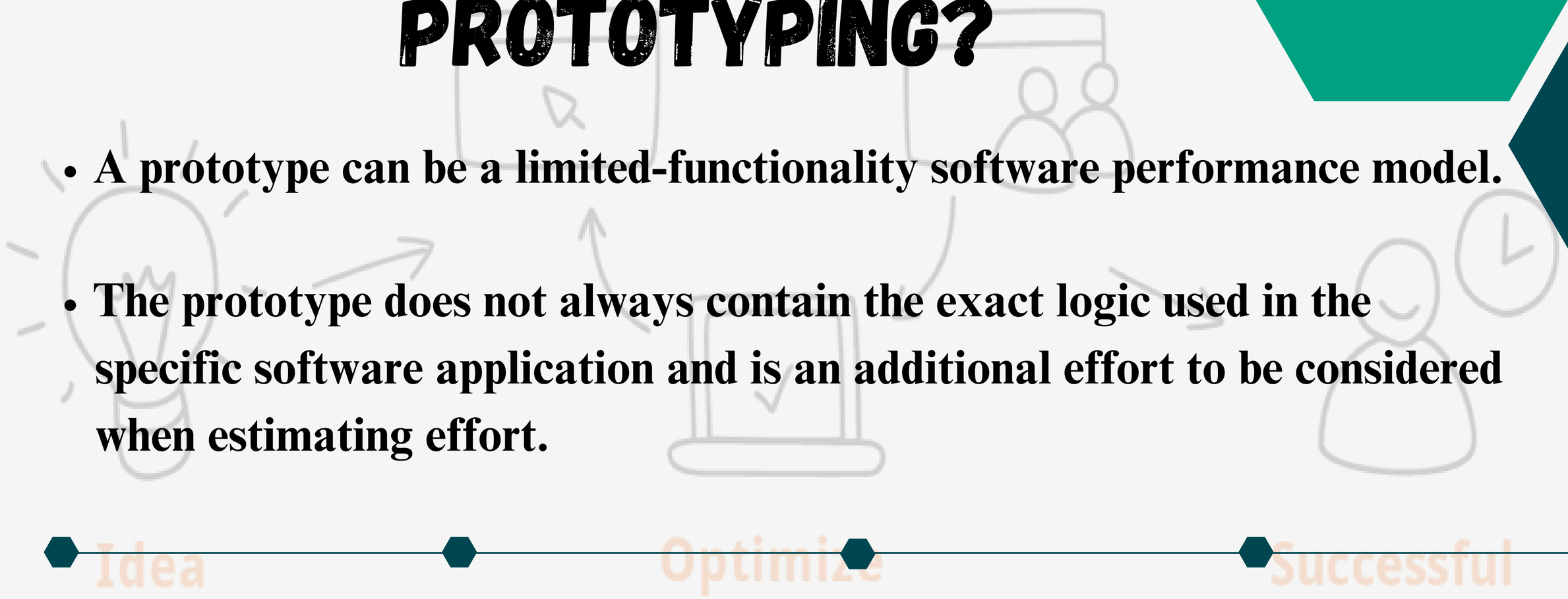
Group 8

AGENDA

- WHAT IS SOFTWARE PROTOTYPING
- TYPE OF STAGES
- ADVANTAGES OF PROTOTYPING MODEL
- DISADVANTAGES OF PROTOTYPING
- EXAMPLE USAGES
- OUR TEAM

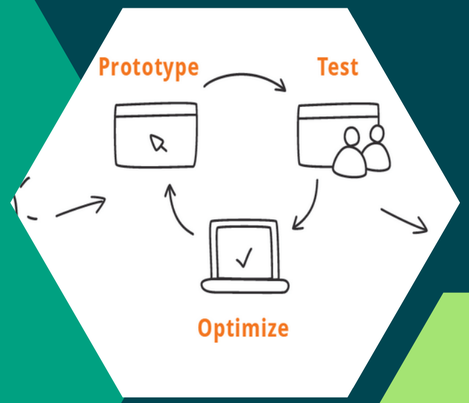
WHAT IS SOFTWARE PROTOTYPING?

- A prototype can be a limited-functionality software performance model.
- The prototype does not always contain the exact logic used in the specific software application and is an additional effort to be considered when estimating effort.



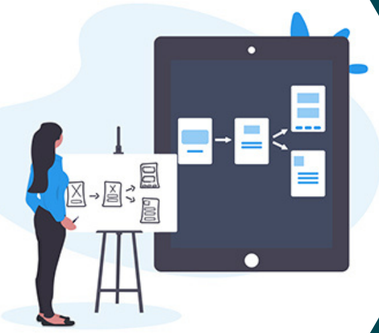
- Prototyping is used to allow users to evaluate and test developer proposals before they are implemented.

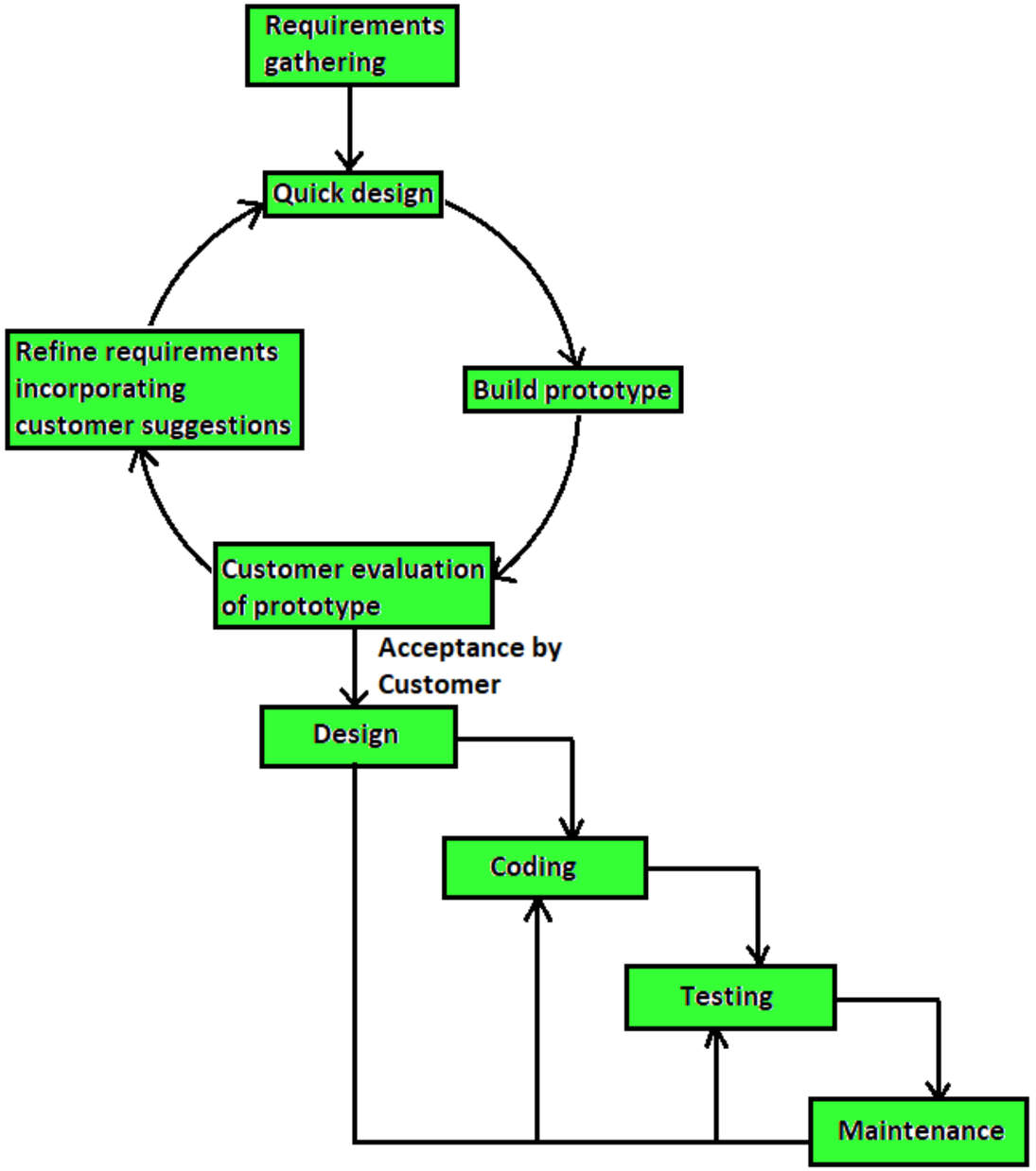
- It also aids in understanding the user-specific requirements that will not be considered by the developer during product design.



TYPE OF STAGES

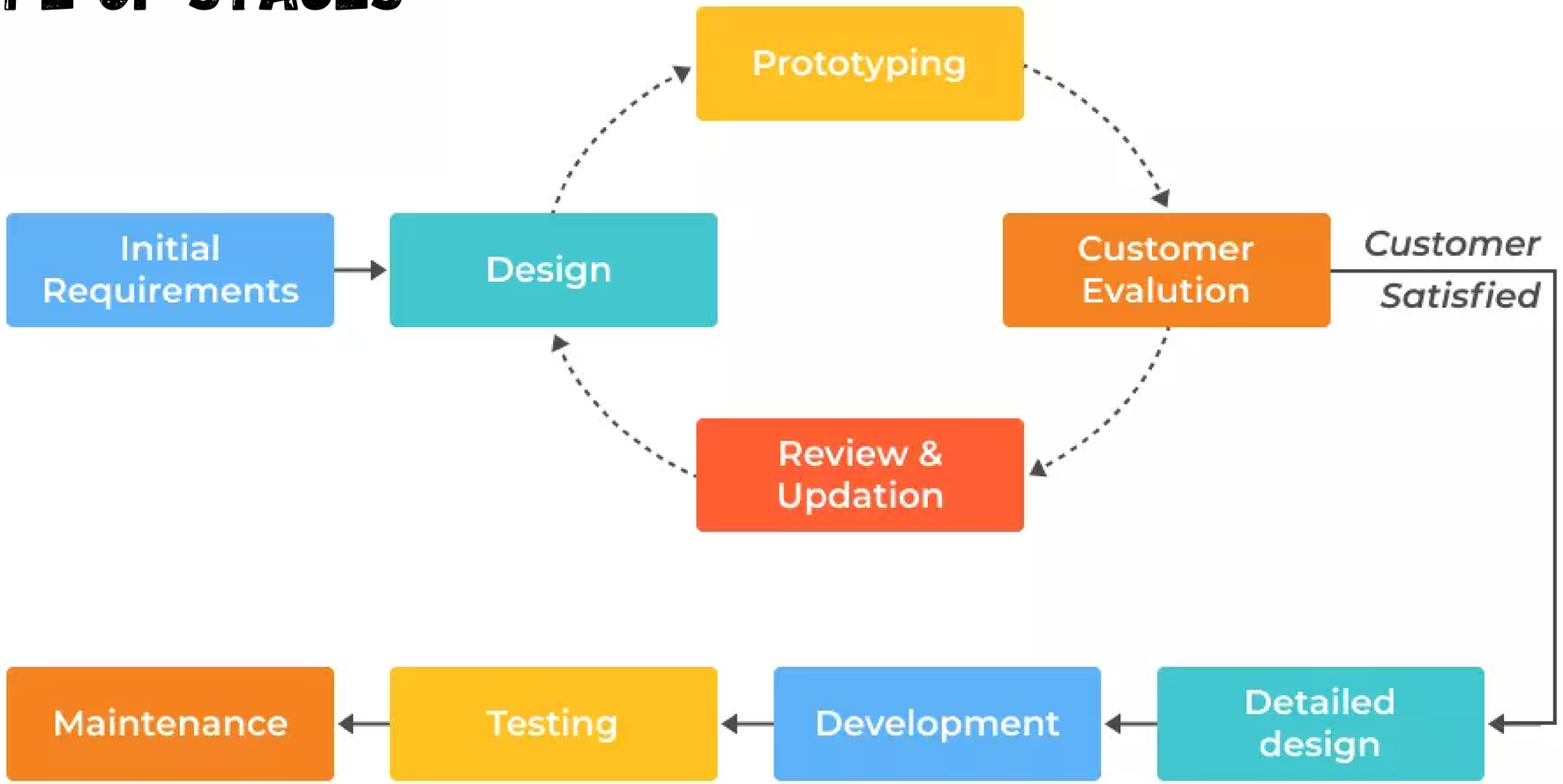
1. Requirements gathering analysis
2. Quick design
3. Build a Prototype





4. Initial user evaluation
5. Refining prototype
6. Implement Product and Maintain

TYPE OF STAGES



ADVANTAGES OF PROTOTYPING MODEL

- Flexible in design
- Easy to detect errors
- Find missing functionality easily
- Reduced time and costs.

ADVANTAGES OF PROTOTYPING MODEL(CONT'D)

- Users are actively involved in the development
- Ideal for online system
- Helps developers and users both understand the system better

DISADVANTAGES OF PROTOTYPING

- Time and cost considerations.
- Variation in requirements.
- Poor documentation.

- Difficulty in accommodating changes.
- Uncertainty in iteration count.
- Customer demands for early product.
- Potential for suboptimal solutions.

EXAMPLE USAGES

Requirements Gathering

Refining software requirements through user feedback.

User Testing

Identifying usability and functionality issues early.

Risk Reduction

Minimizing the chance of a mismatched end product.

EXAMPLE USAGES

Faster Development

Speeding up the design-feedback-refinement cycle.

Cost Efficiency

Reducing overall development expenses.

OUR TEAM

Supun Herath

Introduction

Senuri Prasansa

Type of stages

Naduni Harshika

AOP Model

Gihani Madubashini

DOP Model

Akash Hirumal

Example Useges

THANK YOU