CONTENTS

REUSE-BASED SOFTWARE ENGINEERING

New software developed using existing software.

Example:

1. System Reuse.
2. Application Reuse.
3. Component Reuse.
4. Object and Function Reuse.
5. Stand-Alone application systems (COTS)

   Google API (Careem, Uber, SWL, Airlift etc.).

It is widely being used in many types of Business systems.

BENEFITS:

- Accelerated Development.
- Effective use of Specialists.
- Increased Dependability.
- Lower Development cost.
- Reduced Process Risk.

PROBLEMS

- Loss of control over Evolution.
- Increased Maintenance cost.
- Finding, Understanding and Adapting.

REUSE-ORIENTED SOFTWARE ENGINEERING

It is a model for software development.

It works in terms of Sequential modes. (Reusable approach)

Consider making a Birdhouse:

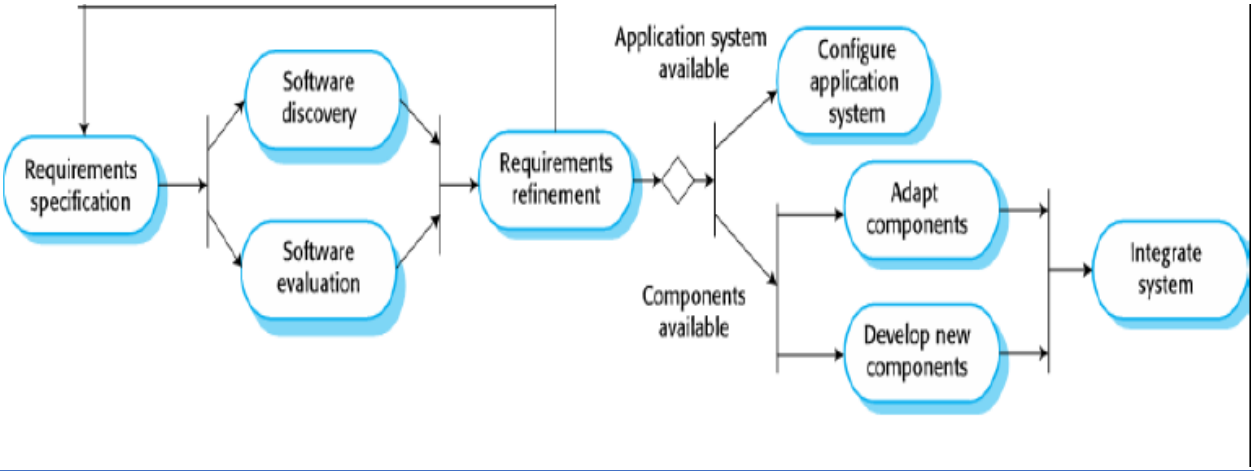
1. Built from scratch up to as many stories you like. (Chances of Failure)
2. Buy a Kit that can be modified up to two stories. (Time Saving, Less Chances of Failure)

Example:

- Windows 8 to Windows 10.
- Windows 8 was built from scratch.
- Windows 10 was an updated version of Windows 8.

CONCLUSION

- It is a building kit approach.
- It saves time, and money.
- Less failure chances.



SOFTWARE PROTOTYPING

Model of actual software.

Example:

- Blueprint of House. (Changes are made easily)

TYPES

1. Rapid Prototyping/ Throwaway.
2. Evolutionary Prototyping.