

# The Key Areas of Practice for Efficient System Modeling

## Explore the problem & understand the project

### Understand the Context

Describe Business Processes

Map Systems

### Understand the Problem to Solve

State the Problem

State the Benefits

### Define Domain Terminology

Find out Core Concepts & Structures

Find out important Lifecycles

### Capture Requirements of Users and Interests of Stakeholders

Capture the Requirements & Interests

Manage & Baseline Requirements

## Specify the Solution Characteristics (System Requirements)

Model the Black Box Behavior

Model the User Interface

Specify System Interfaces

Specify Supplementary Requirements (FURPS+)

## Analyze Business Functionality

Realize the Use Cases

Componentize

## Architect the system

Choose Technology

Specify Infrastructure Use Cases

Design Essential Mechanisms

Identify Release Artifacts

Describe the Deployment into Environments

Design the Database

Provide Solutions for Technical Aspects





