







What is the value of a model

- Understand process
- Defining procedures
- Decomposing workflow
- Track, clarify, modify requirements through life cycle
- Management tool

Limitation of models

- A model is just a model
- Artificial constraints
- Compromises with model necessary
 - (as with almost everything else in SE)
- Risk of overemphasizing process
 The process is not the end in itself
 - Product delivers is
 - Product delivery is



Requirements

- "Gather and document the functions that the application should perform for the users in the users' language and from the users' perspective"
- Requirements should neither constrain nor define methods of implementation

Challenges of requirements gathering (Kulak, Guiney)

- Finding out what users need
- Documenting users' needs
- Avoiding premature design assumptions
- Resolving conflicting requirements
- Eliminating redundant requirements
- Reducing overwhelming volume
- Traceability

Use case Overview of interactions Text details Example Authenticate User Actors: User, Unauthorized user Summary: Users request entry to the system, valid credentials allow access

Restaurant Reservation System

- Support assignment of patrons to tables
- Customer
 - Restaurant in a large chain
 - Willing to invest resources for a system that could be deployed widely

Develop use cases for reservation system

What are the use cases?