Chapter 30
Tools for requirements engineering

Objectives

- Present several benefits of using requirements tools and identifies some general capabilities you can expect to find in such products.

- Student should understand the purpose of these tools.

- Student should enhance that there are dozens of commercial requirements tools are available. However, choicing whatever tools we have to annual maintenance fees and periodic upgrades, software installation and configuration, administration, vendor support and consulting, and training for users

Contents

- Requirements development tools
- Requirements management tools
- RM tool capabilities
- Selecting and implementing a requirements tool

Requirements development tools

- Elicitation tools

- Prototyping tools

- Modeling tools

- Benefits of using an RM tool
  - Manage versions and changes
  - Store requirements attributes
  - Facilitate impact analysis
  - Identify missing and extraneous requirements
  - Track requirements status
  - Control access
  - Communicate with stakeholders
  - Reuse requirements
  - Track issue status
  - Generate tailored subsets
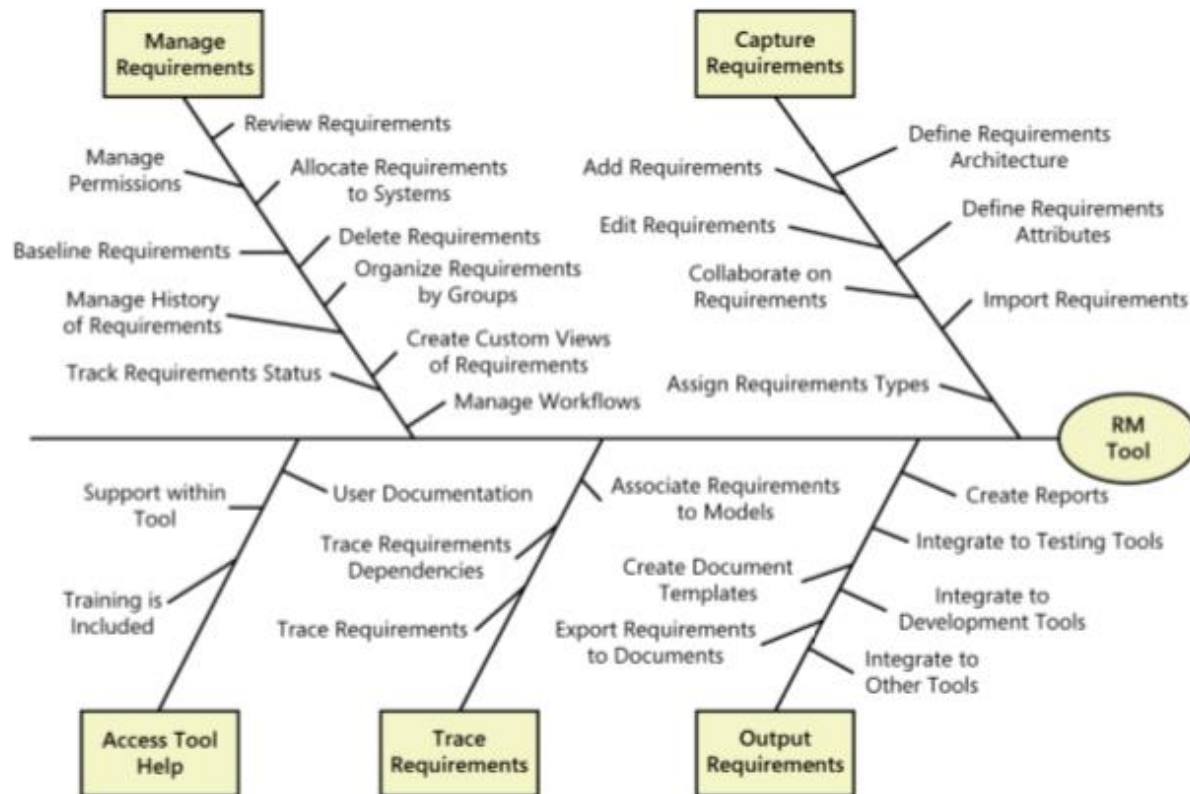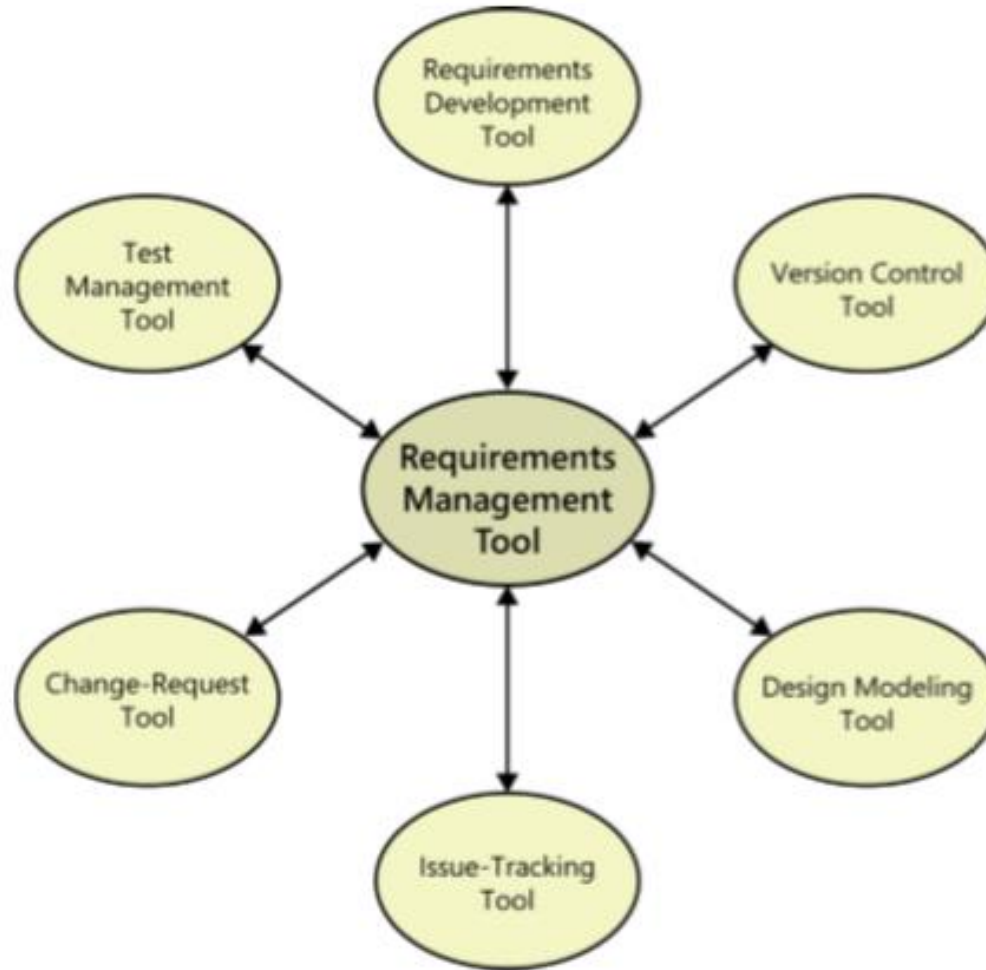
- RM tool capabilities

FIGURE 30-1 Common RM tool features.

RM tool capabilities

FIGURE 30-2 RM tools integrate with other kinds of software tools.

Selecting and implementing a requirements tool

- Selecting a tool
- Setting up the tool and processes
- Facilitating user adoption