

Systems Analysis Cheat Sheet by Natalie Moore (NatalieMoore) via cheatography.com/19119/cs/2192/

Systems Analysis Activities

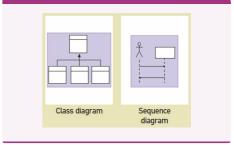
	- - - - - - - - - -	
	Gather detailed inform- ation	Interviews, questionnaires, documents, observing business processes, researching vendors, comments and suggestions
	Define requir- ements	Modeling functional requirements and non-functional requirements
	Prioritize requir-ements	Essential, important, vs. nice to have
	Develop user interface dialogs	Flow of interaction between user and system
	Evaluate requir-	User involvement, feedback, adapt to changes

Reasons for Modeling

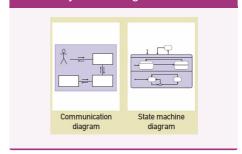
FURPS+ Requirements Acronym

Learning from the modeling process
Reducing complexity by abstraction
Remembering all the details
Communicating with other development
team members
Communicating with a variety of users and
stakeholders
Documenting what was done for future

Some analysis and design models 3



Some analysis and design models 4



Stakeholders

ements

with users

Internal – persons within the organization External – persons outside the organization Operational – persons who regularly interact with the system

Executive – persons who don't directly interact, but use the information or have financial interest

Persons who have an interest in the successful implementation of the system

Information Gathering Techniques

Interviewing users and other stakeholders

Distributing and collecting questionnaires

Review inputs, outputs, and doc

Observe & document business processes

Research vendor solutions

Collectt active user comment / suggestions

Stakeholders Example

maintenance/enhancement



Interviewing Users and Other Stakeholders

Prepare detailed questions

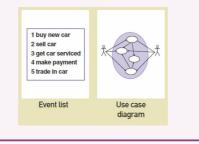
Meet with individuals or groups of users

Obtain and discuss answers to the questions

Document the answers

Follow up as needed in future meetings or interviews

Some analysis and design models 1

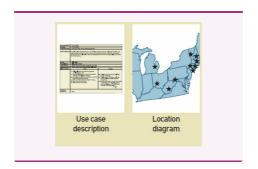


Some analysis and design models 2

What Are Requirements?

Functional – the activities the system
Requir- must perform. Business uses
ements and functions system must
carry out

Non-Fu- Other system characteristics.
nctional Constraints and performance
Requir- goals.
ements





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