

Prototyping begins with Requirement Gathering You meet with other Stakeholders to define the overall Objectives for the Software identify Whatever requirements are known, cand outline careas Where further definition is mandatory.  **Prototyping Model phases:-  Step1:- Requirements Gathering and Analysis:-  Requirement Gathering is first Step in problyging model during this phase, users are intervious to determine What they expect form the System.  Step2: Quick Desigh:- The this phase Consist of a preliminary design or quick design. In this phase systems basic design, is formed, However, it is not a complete design. It provides the uses with a quick overview of the System  Step3:- Build a prototype:- In this phase
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quick overview of the system
change Quild a postatupe . In this phase
actual prototype is created to support  the knowledge gained from quick design.  It is small-level working model of the  design desired system.
Step 4: Customer Evaluation: The proposed  System is presented to the client for prelimina  testing at this stage. It is beneficial to  investigate the performance madels strengths  g weaknesses. Customer feedback & suggestion  are gethered and forwarded to the develope

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Step 5: - Refining Propostype: - If the user is dissotisfied with the Current model, you me	S.
to use of feedback & suggestion. When the	
final system based on the approved fin	
type is created	
Step6: - Implement Product & maintain:	
The final system was fully Tested and distributed to production after it was developed	o per
to support the original version.	
To reduce doubtime and prevent major failu	116

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	* RUP
1	
A	Inception phase of the
122	unified phase process encompasses both
14	Customer communication & planning activities
506	By Communicating with stakeholders,
CAR.	- Business requirement for the classes in the
-	and a schilecture for the casteria
	and the second
	- Plan for iterative & incremental nature
	- fundamental business requirement through
	of balman the capes
人人	Anchitecture at this point is tentative
	Planning - Major Subsystem & ph
	ricanning -
al.	resources,
	- Assess major risks
	- define schedule
*	Flaboration observe on
	Elaboration phase: - encompasses the
	Communication & modeling activities
	- Elaboration mefines the and expands userous
	- expands the aerochitectural representation
	Into O use case model o Requirement model
	@ design model @ implementation model @ deployment model.
	Dien in a physical
	- plan is carefully reviewed to ensure
	that scope, risks & delivery doctes remain
0	reasonable, 100dification to plan is
	at this time.

X	Construction phase :- The construction phase
14	OF UP is identified to the construction
1-	activity defined for the generic slupping
	- Make each use cause operational
	- component is being implemented whit
-	Test cases are designed & execute.
1	for each in addition integretion
112	activity & integreation testing is toke
23	& finally acceptance at developer side
	Communication of the Control of the Samuel Control of the Control
*	Transition phase; un 10
24	5/w is given to end uses fee beta
	testing & take uses mepostsus, Peedback
	defect & necessarch
	- user manual, troubleshooting guides
	Installation process are prepared.
	Little State South State -
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Requirement engineering: - The process of establishing the services that requires from a system and constructions under which it operates and is developed.

is consist of functional & Non-functional reg.

Type of requirements.

— User Requirement — statement in natural language plus diagrams of the services the system provides and its operational constraints whitten for the services and its operational constraints

- System Requirements: a structured doc.

setting out detailed descriptions of the system's

functions. services & operational constraints.

perines What should be implemented

so may be part of contract between client

and contractor.

Functional Requirement - What is expected in terms of functionality.

statement of services the system

Should provide. how the system should react to particular inputs and how the system should behave in particular situations.

\* Non-functional Requirement: - constauints on

the services or functions afferred by the

System such as timing constauints, constraint on

the development process,