

Acquisition of Management Information Systems

Management Information Systems



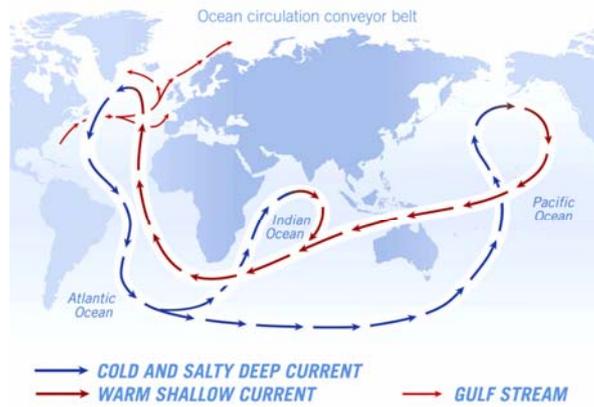
- 166137-01+02
- Management Information Systems
- Spring 2014
- Sync Sangwon Lee, Ph. D
- D. of Information & Electronic Commerce
- WONKWANG University

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- 02. Methodology
- 03. Development Model of Management Information Systems

03. Development Model of Management Information Systems

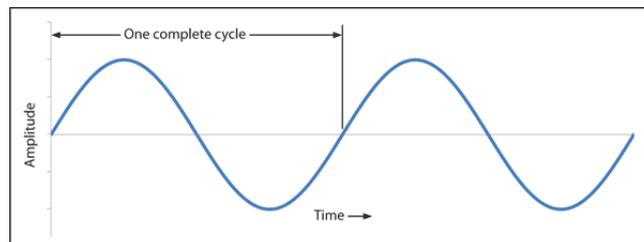
- Circulation



The ocean circulation conveyor belt plays a key role in the climate of the Earth because of the transport of energy (heat) and matter. <http://www.earthzine.org>

03. Development Model of Management Information Systems

- Cycle

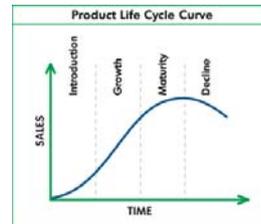


03. Development Model of Management Information Systems

- Life Cycle

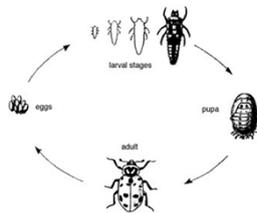
Product Life Cycle (PLC)

<http://www.mrgoodacre.com>



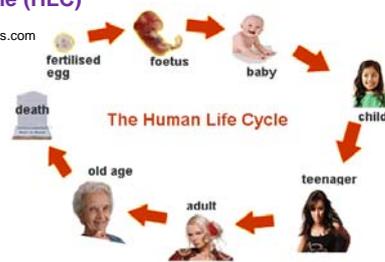
Biological Life Cycle (BLC)

<http://biocontrol.entomology.cornell.edu>



Human Life Cycle (HLC)

<http://www.alloptens.com>

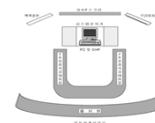
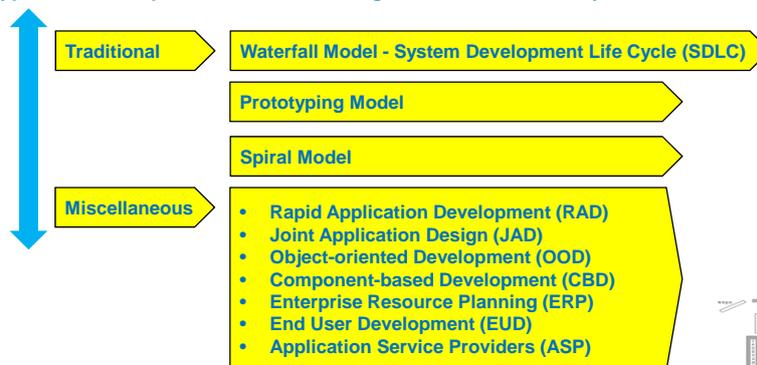


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03. Development Model of Management Information Systems

- Types of Development Model of Management Information Systems

Types of Development Model of Management Information Systems

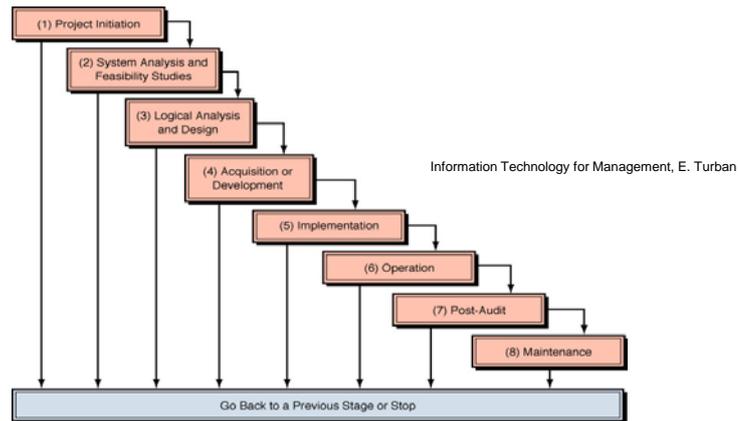


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03. Development Model of Management Information Systems

- Types of Development Model of Management Information Systems

Waterfall Model: System Development Life Cycle (SDLC)

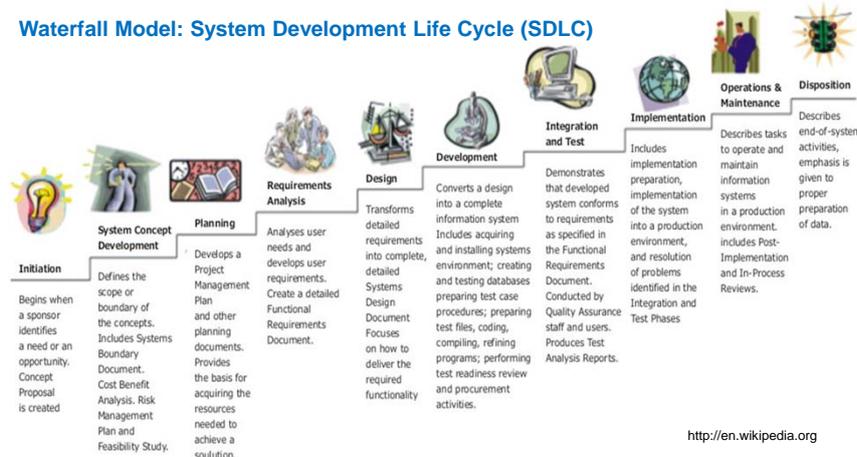


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Waterfall Model: System Development Life Cycle (SDLC)

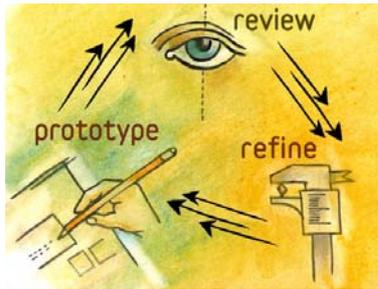


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- Types of Development Model of Management Information Systems

Prototyping Model: Prototype

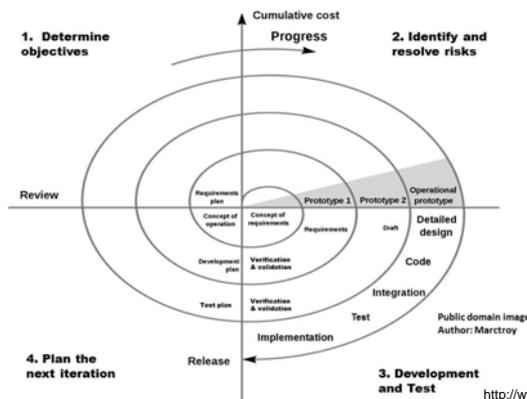


<http://www.smashingmagazine.com>

03. Development Model of Management Information Systems

- Types of Development Model of Management Information Systems

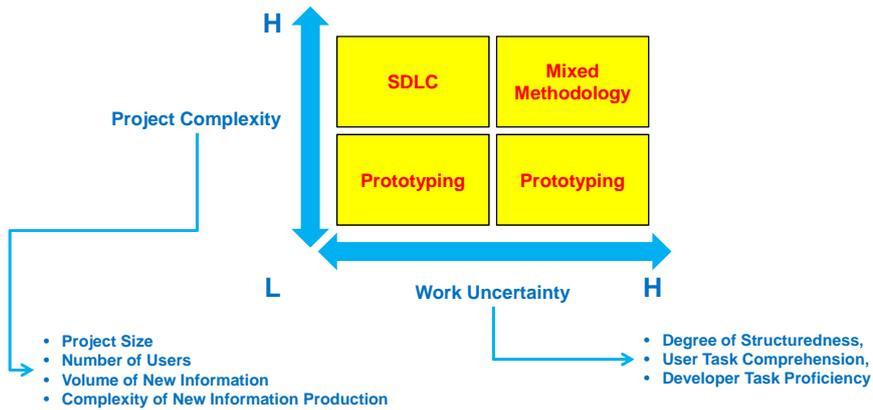
Spiral Model = Waterfall Model + Prototyping Model



<http://www.ultimatesdlc.com>

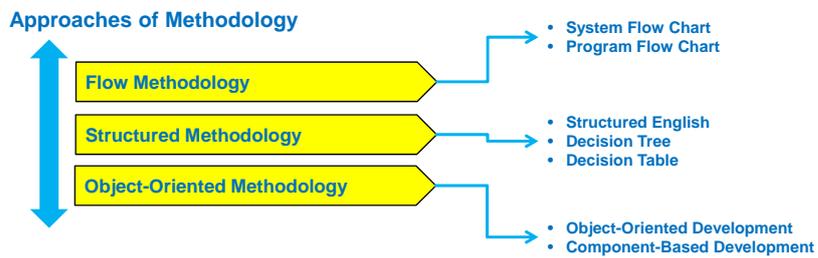
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- Barns & Dennis Application Development Methodology



03. Development Model of Management Information Systems

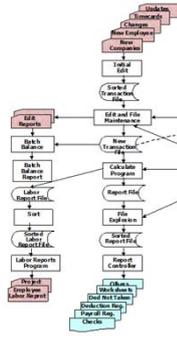
- Approaches of Methodology



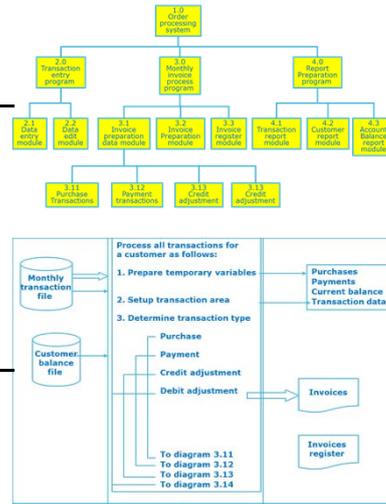
03. Development Model of Management Information Systems

- Approaches of Methodology
 - Examples of Tools

• Hierarchy, Input, Process and Output (HIPO)



• Flow Chart (FC)



• HIPO Functional Diagram for monthly Invoice Processing Case

03. Development Model of Management Information Systems

- Approaches of Methodology
 - Examples of Tools

• Structured English

Policy For Invoice Processing

If the amount of the invoice exceeds \$500

If the account has any invoice more than 60 days overdue, hold the confirmation pending resolution of the debt.

Else (account is in good standing), issue confirmation and invoice.

Else (invoice \$500 or less).

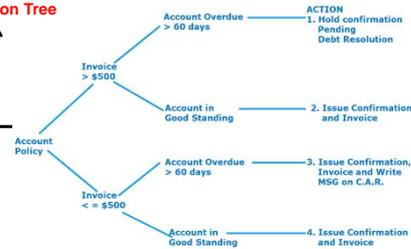
If the account has any invoice more than 60 days overdue, issue confirmation, invoice and write message on the credit action report.

Else (account is in good standing), issue confirmation and invoice.

• Decision Table

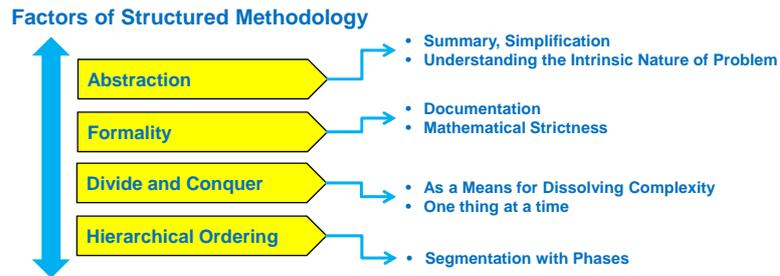
CONDITIONS	RULES			
	1	2	3	4
1. Invoice > \$500	Y	N	Y	N
2. Account overdue by 60 + days	Y	Y	N	N
ACTIONS				
1. Issue Confirmation	N	Y	Y	Y
2. Issue Invoice	N	Y	Y	Y
3. Msg to C.A.R.	N	Y	N	N

• Decision Tree



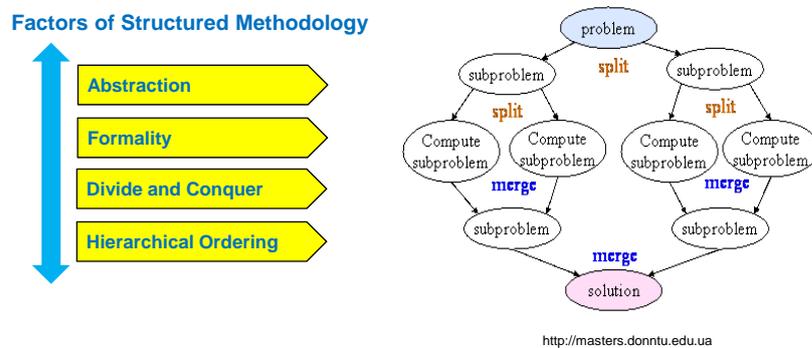
03. Development Model of Management Information Systems

- Approaches of Methodology
 - Structured Methodology



03. Development Model of Management Information Systems

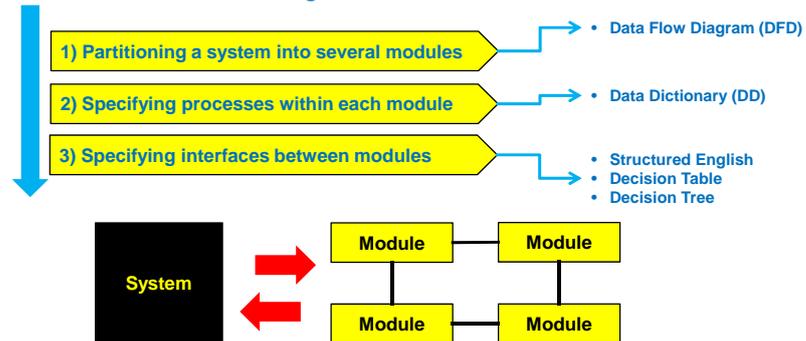
- Approaches of Methodology
 - Structured Methodology



03. Development Model of Management Information Systems

- Approaches of Methodology
 - Structured Methodology

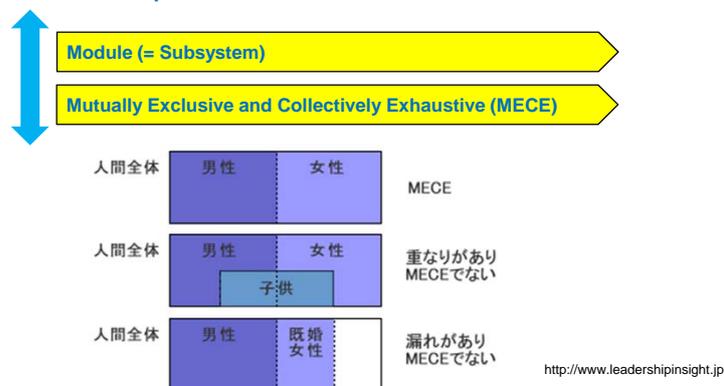
3 Phases of Structured Modeling



03. Development Model of Management Information Systems

- Approaches of Methodology
 - Structured Methodology

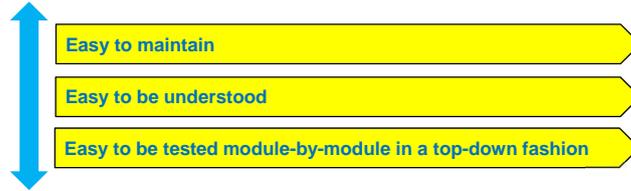
Divide and Conquer



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- Approaches of Methodology
 - Structured Methodology

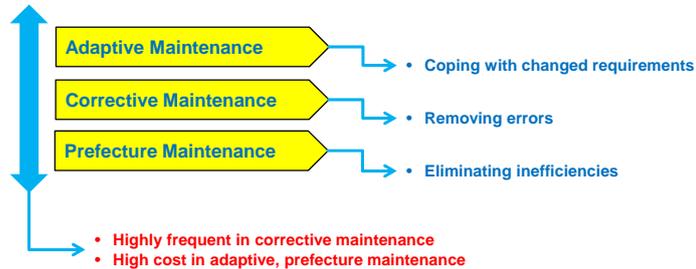
Advantages



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- Maintenance

Types of Maintenance (Swanson)



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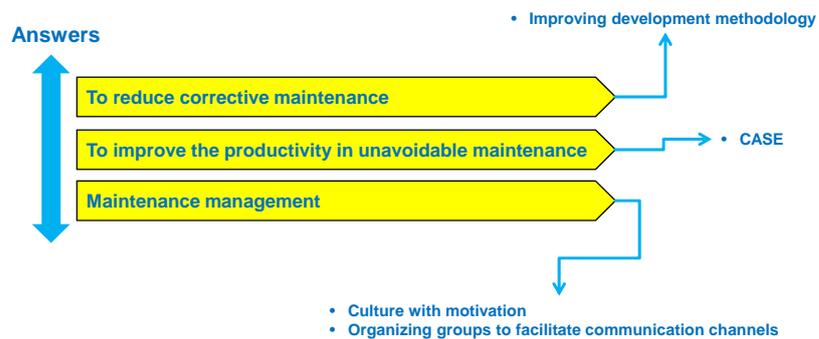
- Maintenance

Why is the Maintenance Difficult? (Edwards)



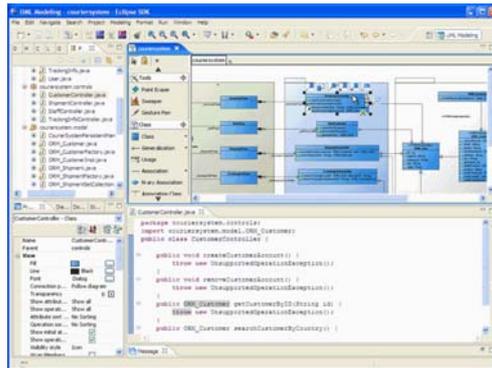
03. Development Model of Management Information Systems

- Maintenance



03. Development Model of Management Information Systems

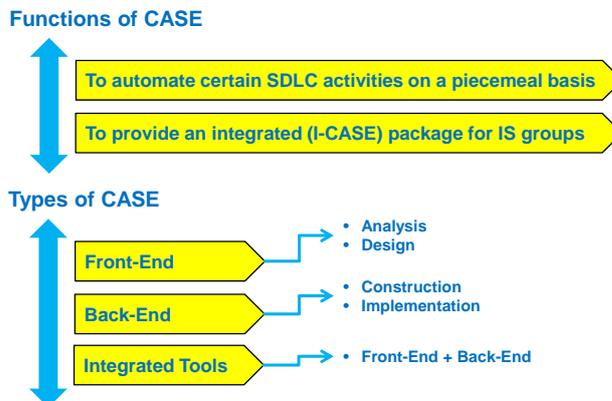
- Computer-Aided Software Engineering (CASE)
 - = A tools that is marketed as individual items or in a set (toolkit) that automates various aspects of the development process



<http://visual-paradigm.ab-archive.net>

03. Development Model of Management Information Systems

- Computer-Aided Software Engineering (CASE)



03. Development Model of Management Information Systems

- Computer-Aided Software Engineering (CASE)

