



Presentation Content

- 1. Introduction
- 2. Review on SRS vs UML models
- 3. Introduction to CRC cards
- 4. Uses of CRC cards
- 5. Advantages of CRC cards
- 6. Disadvantages of CRC cards
- 7. Summary about CRC cards and outro

Λ		
W	3	
•	20	,

Review - SRS vs UML Models

		SRS	UML MODELS	
•	Focus	what system does	How system structured	•
•	ABSTRACTION	Funtional requirements	Class Relationship	
0	STAKEHOLDERS	All Stakeholders	Developers / Architects	
	FORMAT	Natural Language	Standardized Digrams	
	TIMING	Early Phase	Design Phase	gio
		n shall allow saving document	ents"	鑑

UML: DocumentManager → save() → FileSystem

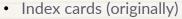
0

Scan Me

Introduction to CRC. Cards



EditorKeyCodes		
Responsibility	Collaboration	
Listen for keyboard events	• GUI	
Detect keyboard shortcuts (Ctrl+S, Ctrl+Shift+S, etc.)	EditorFile	
Trigger appropriate file operations	• EditorEdit	
Trigger undo/redo operations		
Trigger menu actions via Alt key		



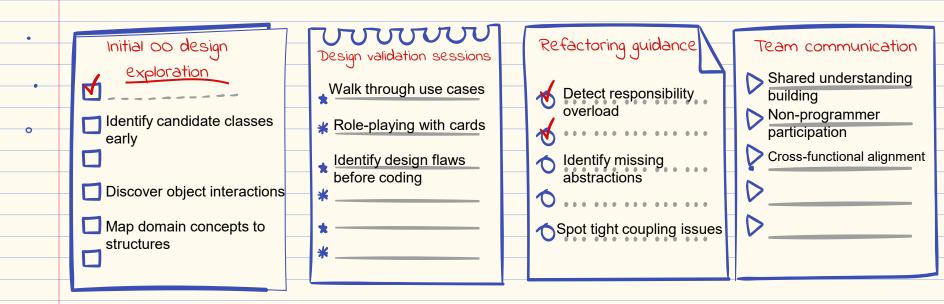
- Three Physical components per card:
 - Class name:Entity/concept(top)
 - Responsibilities: What it does (left)
- Collaborators: Which classes it works with (right)
- Lightweight, tangible design tool
- Created by Kent Beck & Ward Cunningham (1989)
- Philosophy: "If you can't fit it on a card, it's too complex"



Scan Me



uses of CRC Cards



Advantages of CRC Cards

	1	EditorEd	lit
*		Responsibility	Collaborat
		Perform undo operation	• GUI
ow barrier to entry		Perform redo operation	UndoManag
	•	Delegate to UndoManager	
No special tools required			

	Responsibility	Collaboration
	-Change background color	• GUI
	-Change text color	
tion	- Change cursor color	
	 Apply color themes (white, black, blue) 	
ger	Ensure text readability with color combinations	
	+Update UI menu item text	
	EditorFor	rmat

EditorColor

EditorKeyC	EditorKeyCodes		
Responsibility	Collaboration		
Listen for keyboard events	•GUI		
Detect keyboard shortcuts (Ctrl+S, Ctrl+Shift+S, etc.)	• EditorFile		
rigger appropriate file cperations	• EditorEdit		
rigger undo/redo cperations			
rigger menu actions via Alt key			

EditorFormat		
Responsibility	Collaboration	
Toggle word wrap on/off	• GUI	
Create Font objects		
- Set text area font		
Manage font selection (Arial, Comic Sans, Times New Roman)		
» Manage font size (8, 16, 20, 24, 28)		
+ Update UI menu item text		

	EditorFile	
	Responsibility	Collaboration
	Create new files	• GUI
	Open existing .wyrd and .glyph files	WyrdScriptExecutor
	Save files to disk	
_	Save files with new name	
	Track current file path	
	Update window title	
	Handle file I/O errors	
	Exit application	

WyrdScriptExecutor	
Responsibility	Collaboration
Execute WyrdScript files	EditorFile
+ Launch glyph.exe with file path 材	, +
Display loading dialog	17
Capture script output	- ,
- Capture error output	, 1
Display output in popup window	+ '+
Handle execution errors	+ 7
- Run execution in separate thread	

Focuses on behaviour

- Responsibilities over attributes
- Interaction-centric design
- Avoids premature optimization

Prevents over-engineering

- Deliberate simplicity constraint
- Forces prioritization

Flexibility

- Easy to modify/discard
- Quick iteration cycles



• Democratic participation

Minimal learning curve

Immediate start possible

Encourages

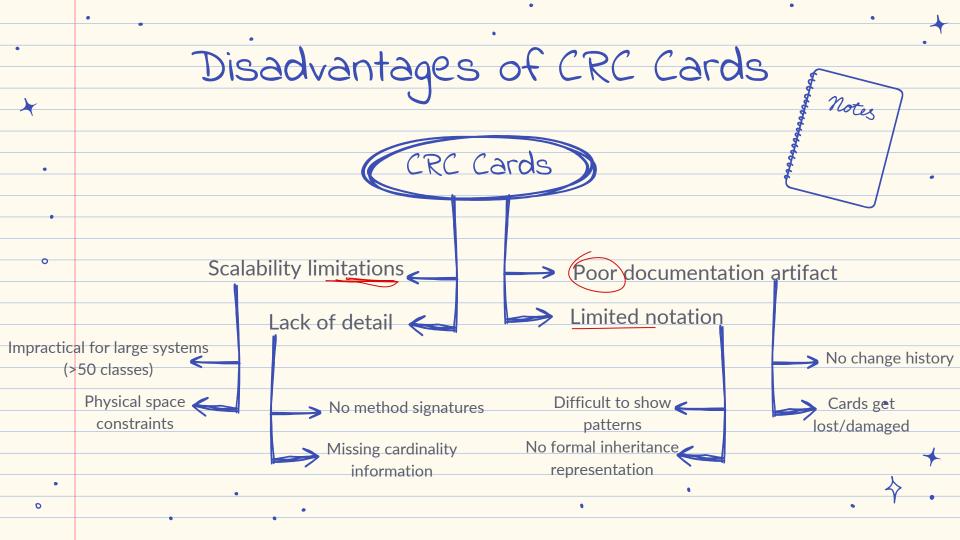
Collaboration
 Physical manipulation promotes engagement

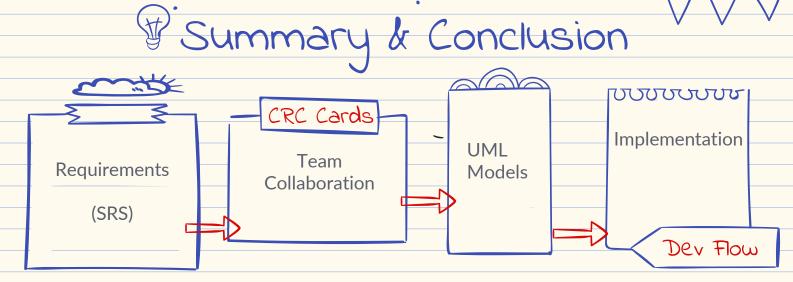
Team-based discovery

process

0

No tool lock-in





Key Takeaways:

- Bridge between requirements and detailed design
- Best for early-stage discovery
- Complement, not replace, formal modelling
- Value in process, not just artifacts
- Encourages team participation
- Forces design simplicity

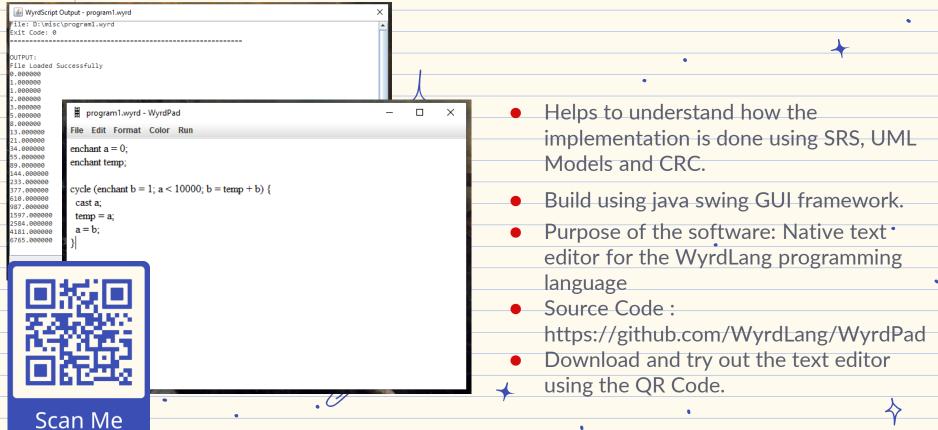
when to use

- Starting new projects
- Exploring design alternatives
- Teaching OO concepts



Scan Me





chillguyzzz.github.io/wyrdpad.zip

