



# Design Issues

NAME: SAMI, SADMAN KABIR

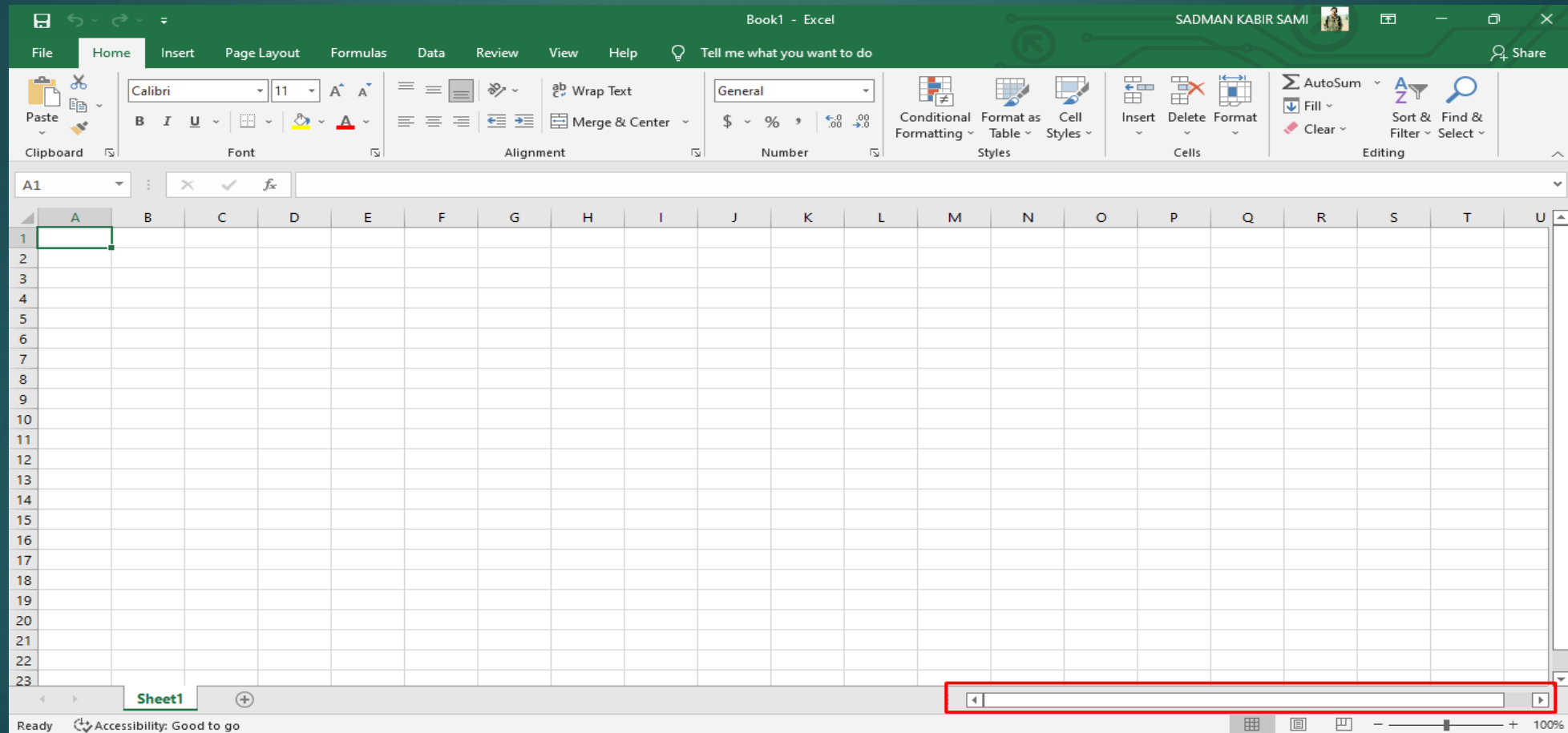
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SECTION: B

# Affordance

- ❑ Affordances are properties of items or objects which show clients the moves they can make. It is primarily those crucial properties that conclude how the thing could be utilized. Clients ought to have the option to see affordances without having to consider how to utilize the things.
- ❑ In nutshell, The main thing that can be comprehended by checking out that property is how is to be managed, it's called Affordance.

# Issue of Affordance



# Issue of Affordance (Explanation)


- ❑ We can see columns A-U when we open Microsoft excel. At the right bottom corner, we can see a bar. If we pull the bar then we will get one more column.
- ❑ But here comes the interesting part. If we put the cursor on the last column (column U) then keep pressing the next keyword, we will get unlimited number of columns.
- ❑ People who are not familiar with Excel that much, will not get it at first interaction. So there is an issue of Affordance.

# Visibility

- ❑ Visibility is the property that characterizes how apparent a component is and how clear its capacity is. It is answerable for showing clients what controls are accessible. The probability of control being utilized is vigorously impacted by its Visibility.
- ❑ An item's capacity ought to be noticeable so that individuals can see what it is right now doing and see what fastens or controls are accessible.

# Issue of Visibility

	A	B	C
1	X	Y	
2	2	3	
3	4	5	
4	6	7	
5	8	9	
6			
7			
8			



X	Y
2	3
4	5
6	7
8	9

# Issue of Visibility (Explanation)

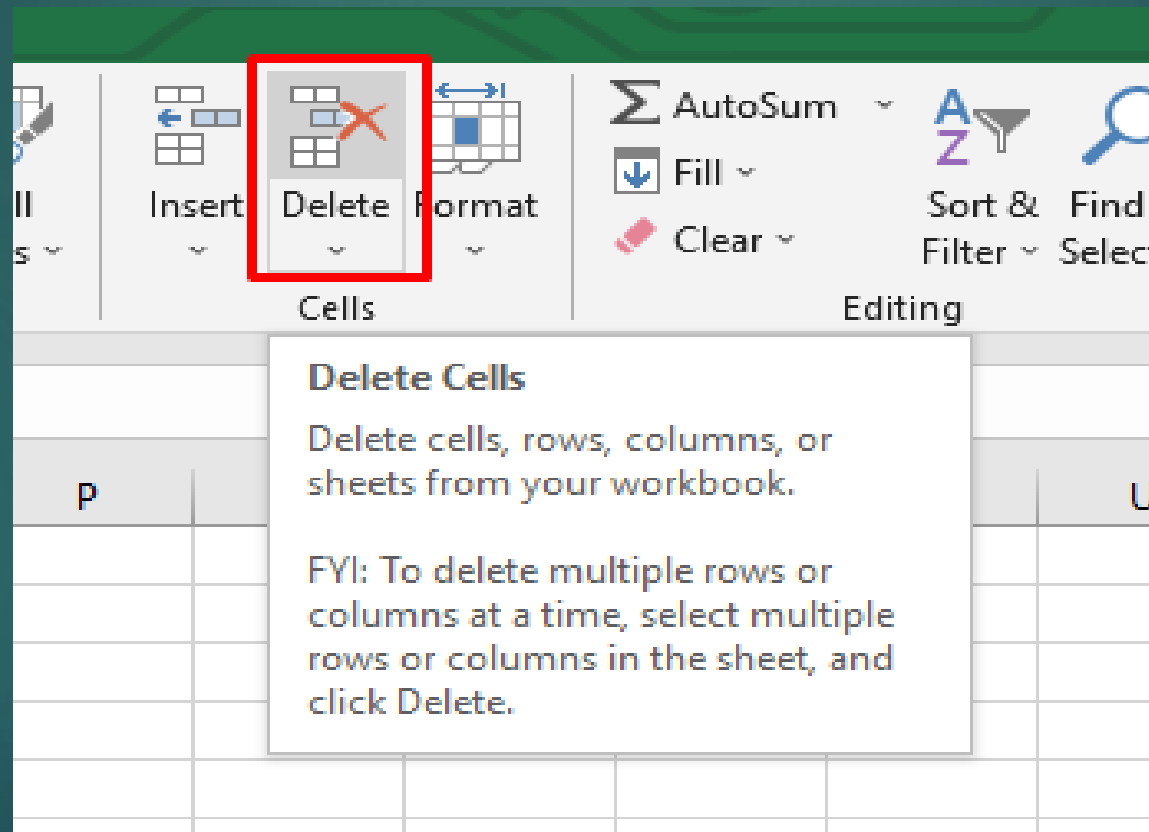
- ❑ In excel when selecting a few columns, we always get to see that the very first column name looks like it's not selected and that is absurd. Inexperienced people get confused by this very often. Even it happened to me when I was new at excel.
- ❑ Another issue is after copying a few column data it is still visible as selected and it will be selected until we press enter or some other key. Once again this visibility on the excel screen makes new people confused.
- ❑ So there are a few Visibility Issues.

# Mappings

- ❑ Mappings connect elements of computing artefacts to the real world. They are the link between what is intended to be done and what is perceived possible. Good mappings are natural and use physical analogies or cultural standards.
- ❑ In short, mapping is the relationship between controls and there effects.



# Issue of Mappings



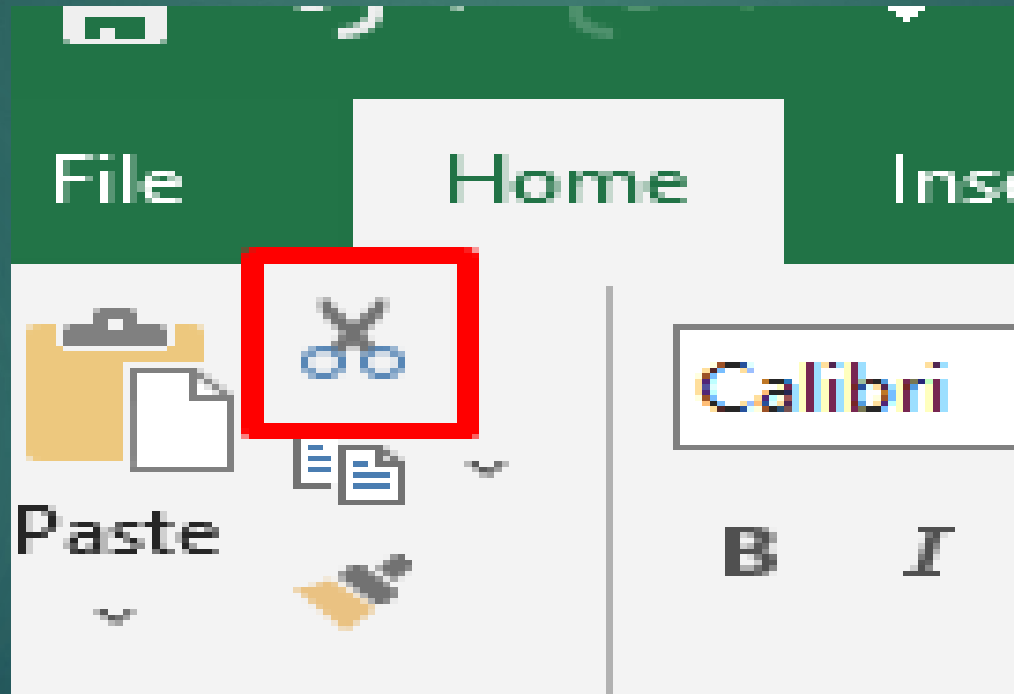
# Issue of Mappings (Explanation)

- ❑ When we point our cursor on the “Delete” function we can see a message something like “ Delete cells, rows, columns, or sheets from your workbook” pops up.
- ❑ But in reality, this function only deletes the values of columns. Nothing else.
- ❑ As a result, there is an Issue of Mappings.

# System Image

- Normally we can't converse with the originator, so we depend upon anything data is accessible to us, what the gadget resembles, what we know from involving comparable things before, what was told to us in the deals writing, by salesmen and commercials, by articles we might have perused, by the item site and guidance manuals. I call the consolidated data accessible to us the framework picture.

# Issue of System Image



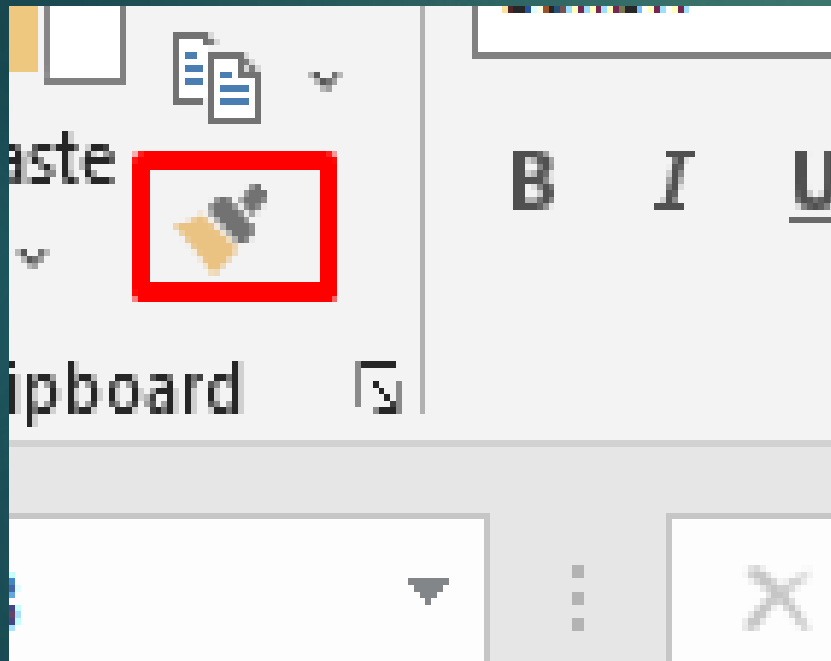
# Issue of System Image (Explanation)

- ❑ When I was very young and newly introduced to excel, my first impression about this scissor icon was something like “My be this function is used for dismissing, or removing or distorting values for good” but it just cut the value and we can paste that value some other place as our wish.
- ❑ So according to my thought, there is the Issue of System Image.

# Gulf of Execution

- ❑ In HCI gulf of execution is the hole between a client's objective for activity and the necessary resources to execute that objective.
- ❑ In short it means the gap between expectations and design.

# Issue of Gulf of Execution



	A	B	C
1	1	4	
2	2	5	
3	3	6	
4			

# Issue of Gulf of Execution (Explanation)

- ❑ My initial impression about this “brush” lookalike icon was it will make colorful everything. I thought I can give each cell different color on my own. But sadly it doesn’t work like that. It only copies same color from another cell. We can copy color from one cell and paste that same color to another.
- ❑ So for me, there is a gap between expectations and design as a result there is an issue of Gulf of Execution.



# Gulf of Evaluation

- ❑ The gulf of evaluation is how much the framework or antique gives portrayals that can be straightforwardly seen and deciphered concerning the assumptions and goals of the client.

# Issue of Gulf of Evaluation

	A	B	C	D	E
1	A	B	Sum		
2		1	5	=sum(A2,B3)	
3		2	7	SUM(number1, [number2], ...)	
4		3	9		
5		4	11		
6					
7					
8					
9					

	A	B	C
1	A	B	Sum
2		1	5
3		2	7
4		3	9
5		4	11
6			

# Issue of Gulf of Evaluation (Explanation)

- ❑ We make mistakes very often just like in the above example.  
Assuming the above example as a scenario we would certainly want to add 1 and 5. So the result should be 6 and that is normal. But by mistakes (assuming) we clicked the cell where the value is 7. So the result of Sum is showing 8 without giving us any notification or alarm. So we are observing that excel can't distinguish what is normal and what is abnormal facts.
- ❑ So we can see there is an issue of Gulf of Evaluation