

Understanding Visitors' Learning Experience through Exhibition Design at the Universiti Malaya Art Gallery through Multifaceted Approach

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ABSTRACT

Background: Exhibition design is tied closely with the function and the appearance of every facet of the museum system. It embraces all tangible evidence of the museum activities and at the same time supports the meaning of the exhibition and becomes an essential feature for visitors' learning experience. Purpose: Driven by the question of how we can create an exhibition that suits visitors' learning experience, the making of exhibition prototypes was conducted. Methodology/Approach: Both qualitative and quantitative data were collected to identify visitors' learning experiences through the exhibition design created and to discover creative solutions to complex exhibition problems through an interdisciplinary approach. Finding/Conclusions: It was found that each museum visitors have a certain standard and need in viewing the exhibitions. The process behind design thinking provides several advantages and benefits in this research. It assists in the creation of the prototype while mise-en-scene works as an instrument in designing the exhibit. The outcome of this research will assist art galleries and museums to understand better the learning experience from the visitor's perspective and on top of all enable gallery management to provide better exhibition design with better learning outcomes for visitors. Implications: The 'new practice' will be a huge contribution to future development and highlight the importance of exhibition design in improving visitors' learning experience process with the intent that it can lead to a better understanding not only from the visitors' perspective but also from the gallery.

Keywords: visitors' learning experience, exhibition design, design thinking, interdisciplinary approach

INTRODUCTION

Individuals visit museums with a boundless array of motivations. The reasons mentioned have a crucial role in determining our expectations for visiting a museum and are essential for our comprehension of the purpose of museum visits (Cotter et al., 2021). Prior studies have indicated that individuals frequently cite "learning" as their primary motivation for visiting museums (Combs, 1999; Beittel, 1998; Falk et al., 1998; Prentice, 1998; Jansen-Verbeke & van Rekom, 1996). People visit museums out of curiosity to learn about the museum's offerings (Brida et al., 2017). Furthermore, Brida also highlighted that one of the motivations for people to visit the museum is to satisfy their partner's desires and reluctantly accompany them. According to Phelan et al. (2018), in addition to having learning goals, some visitors are motivated by the need to be entertained and to have an experience that is worthy of being posted on Instagram. Nguyen (2021) determines, via a comprehensive analysis of literature and research, that four key variables influence the decision of young people to visit museums.

These aspects are (1) extrinsic motivation; (2) intrinsic motivation; (3) learning; and (4) aesthetics and architecture.

The exhibition design indirectly facilitated and maintained the visitor's learning experience (Anderson & Lucas,

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1997). Let us contemplate Kaplan's (1999) assertion for a moment: It is imperative to acknowledge that a successful exhibition encompasses more than just an idea, the artifacts, and the installation... An exhibition that effectively communicates should both educate and stimulate the intellect and the senses. When communication is at its best, it generates a profound impact on observers and audiences. According to Lord and Lord (2001), the exhibition is the main element within the museum that allows visitors to acquire an experience. Perry (2012) emphasized that visitors are anticipated to have pleasurable and inherently stimulating encounters, which must encompass educational elements. Exhibitions have a crucial role in shaping a museum's public perception and serve as the primary method for museums to engage with their audience (Forrest, 2014). Once again, she asserts that exhibitions are the most prominent facet of museum operations. For a large portion of the audience, displays are synonymous with the museum. As museums are facing growing pressure to prove their significance to the public, the importance of exhibitions has increased (Forrest, 2014). The curators and display designers pondered over the message, prompting queries about its relevance. What information do they have about the factors that motivate tourists to attend the museum? What kinds of experiences are visitors experiencing? What knowledge or information do individuals gain from the exhibits?

There is an important need to initiate interesting exhibitions and programs that are relevant, innovative and fun so that visitors' experience is enhanced (Nur Afni Halil et al., 2018). Roppola (2012) describes exhibition environments are enticingly complex spaces: as facilitators of experience; free-choice learning contexts; theatres of drama; encyclopaedic warehouses of cultural and natural heritage; as two-, three- and four-dimensional storytellers, and sites for engaging day out. Roppola (2012) again stated that a key task for exhibition designers is to sensitively orchestrate interpretive content and interpretive media, in relationship with the overall vessel of the institution's building, so that visitors are supported in meaningful and accessible ways.

LITERATURE REVIEW

The fundamental goal of an exhibition designer is to inspire museum visitors through design (Quenneville, 2024). In creating an exhibit that suits the visitor's wants and needs, the curator, designer, and design team will face challenges. Beghetto and Kaufman (2011) imply that a well-designed exhibit could be put together much the way the creative lesson is designed by a skilled teacher, by striking the right balance between structure and improvisation. Designing an exhibition requires a high degree of development and design to serve the people as visitors regardless of background. At the same time, design decisions should be calculated, planned, and completed to reach the maximum result. From a commercial perspective, exhibition design requires designers to use a variety of artistic design languages to intricately design and organize three-dimensional spaces or two-dimensional planes within a given timeframe and physical environment (Qian, 2018). This allows the spaces or planes to transcend their fixed spatial structure and establish a logical connection with the exhibits. According to Qian (2018), such design not only aids in promoting the exhibits but also enhances viewers' sense of involvement, effectively achieving the goal of communication. A key task for exhibition designers is to sensitively orchestrate interpretive content and interpretive media, in relationship with the overall vessel of the institution's building, so that visitors are supported in meaningful and accessible ways. Exhibition design not only supports the meaning of the exhibition but also has an inherent meaning or creates meaning in and of itself.

Among the elements of the interdisciplinary approach are design thinking and mise-en-scene. The term design thinking is increasingly applied in various principles of the industry today. In order to endure and maintain a competitive edge in a swiftly evolving landscape, museums and galleries must engage in innovation. According to Matthews and Wrigley (2018), design thinking has been identified as making valuable contributions, especially to business and management as well. Design thinking is a holistic innovation method that focuses on the consumer and tries to discover and build unique company concepts or complete business models (Mueller-Roterberg, 2018). Design thinking aims to apply the approaches and methodologies used by designers to business processes. The approach is universally applicable to all types of business concepts, regardless of whether they are product-based or service-based. Glen et al. (2014) argued that design methods align with adaptive reasoning in real-world settings. Design thinking is the collaborative effort of cross-functional teams to comprehensively grasp user requirements and develop solutions that effectively cater to those requirements. Moreover, the design-thinking approach enables the identification of ground-breaking solutions and establishes itself as a very effective framework for addressing exhibition design challenges in museums and galleries.

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of the action.

While design thinking fosters and motivates the generation of innovative and original concepts, mise-en-scene encompasses more than just the composition of a shot; it is a continuous spatial arrangement that involves deliberate positioning and movement (Aitken & Deborah, 2006). Bordwell and Thompson (2013) highlighted that mise-en-scene encompasses inherent power and influence, which filmmakers employ to achieve a specific level of realism. Gibbs' (2002) explanation of mise-en-scene focused on 'the contents of the frame'. The question at hand is, what exactly do these contents refer to? The elements encompassed in theatrical production are lighting, costume, setting, and staging, as stated by Gibbs (2002). On the other hand, according to Bordwell and Thompson, mise-en-scene consists of setting, costume and make-up, lighting, and acting. Dix (2010) categorized mise-en-scene into five components: locations, props, costuming, lighting, and acting. The director can use control over these aspects to strategically orchestrate events. The film director uses these components to orchestrate the occurrence specifically for the camera, providing the audience with vivid and distinct memories

We cannot deny the powerful impact these multifaceted elements can bring. The strong aspects of both design thinking and mise-en-scene might work in the business and filmmaking arena, but is there any possibility of creating the same outcome in the art gallery and museum exhibition? Are the strong elements related to mise-en-scene and design thinking that might develop an alternative great foundation in designing an exhibition that suits our multifaceted visitors?

METHODOLOGY

The objective of this study is to examine the design of exhibitions at art museums, with a specific focus on the learning experiences of visitors. We will use an interdisciplinary strategy, incorporating various approaches, to develop the prototype for the comprehensive research. Below is a concise summary of the interdisciplinary approach.

Figure 1 Interdisciplinary approach summary



Adaptation from Turpeinen (2006).

While Turpeinen (2006) used 'Interdisciplinary Methods' phrases in her study, the researcher changed the phrase to 'Interdisciplinary Approach' by maintaining the word interdisciplinary. The Interdisciplinary Approach used throughout this research is a continuous method that can be applied from the beginning till the end. The researcher decided to apply this method due to its multidisciplinary factor as well as flexibility and adaptability in any situation. When Turpeinen (2006) started to apply this method in her research, she was trying to analyse visual elements and their relationship with exhibition design in cultural history museums and how exhibitions produce meanings and researcher believes that the same methods can be applied in this study as well.

The Universiti Malaya Art Gallery (UMAG) in Kuala Lumpur conducted the research and prototype. UMAG aims to become a symbol of the institution by focusing on the collection's analysis, protection, maintenance, display, education, interpretation, and growth. The gallery showcases artwork from both local and international artists, complemented by educational activities that cater to all age groups. The primary objective of the University of Malaya Art Gallery (UMAG) is to integrate visual arts into the University of Malaya community's

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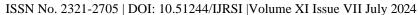


experience, enhance understanding of art and culture, establish itself as a top-tier attraction for both local and international visitors, and serve as a public entrance to the university's intellectual wealth.

There will be three phases of data collection where all questions developed were based on the literature by Dernie (2006), Lorenc et al. (2010), Velarde (2001), and Lord and Lord (2001) where some tests and modifications were made after receiving the feedback from the interviews that related to the design thinking process. All respondents involved in this study will be available for all prototypes where they will provide their reactions and comments in the interview and questionnaire session. The summary of each is as follows:

Table 1. Phases and stages in data collection

Phases	Description
	Prototype 1 - Phase One (1) – Stage One (1) – In-depth interview – will be the pilot study acts as a rehearsal before conducting the full-scale fieldwork. Respondents involved in the pilot study are curators', artists', and design students This phase will investigate individuals' personal philosophies and views about exhibitions focusing on the following areas.
	a. How do visitors describe art exhibitions in Malaysia?
	b. How do visitors describe exhibition design in Malaysia?
Prototype	c. How do visitors describe the learning experience in an art exhibition?
1 10totype 1	d. How do visitors describe unconventional art exhibitions?
	Prototype 1 - Phase One (1) - Stage Two (2) - is to obtain statistical responses, the questionnaire was distributed randomly to 200 participants/ visitors to the University of Malaya Art Gallery. 3 open-ended questions will be asked at the beginning of the session follows by 9 points questions.
	Prototype 1 - Phase One (1) – Stage Three (3) – is to obtain respondents' list of requests and desires in an exhibition. This list of requests and desires will assist the curator and designer team in creating another prototype of the exhibition to complete the cycle for the study and considered as the empathy process in the design thinking model. Each respondent will be given New Exhibition Design Diagram where they will list down their idea or suggestion related to future exhibition design.
	Prototype 2 - Phase Two (2) - Stage One (1) - set of nine points questions will be given to 200 respondents rated on a five-point Likert rating scale.
Prototype 2	Prototype 2 - Phase Two (2) – Stage Two (2) – is to obtain respondents' list of requests and desires in an exhibition. This list of requests and desires will assist in creating another prototype exhibition to complete the cycle for the study and considered as the empathy process in the design thinking model. Each respondent will be given New Exhibition Design Diagram where they will list down their idea or suggestion related to future exhibition design.
	Prototype 3 - Phase Three (3) - Stage One (1) - set of nine points questions will be given to 200 respondents rated on a five-point Likert rating scale. A five-point Likert rating scale gives respondents an option to be neutral (rather than having to choose an alternative that doesn't reflect their thinking).
Prototype 3	





RSIS S

The exhibition also known as prototypes will be created throughout this study as follows.

Table 1.1 Prototype detailing

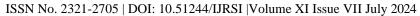
Exhibition Title	Remarks
Intensity: A Solo Exhibition by Rube Jamal	The first prototype will be using the conventional exhibition design. The prototype goal is to understand visitors' understanding of the exhibition and its design as well as their comment afterward. A list of comments will become the reference for the creation of the next exhibition.
Textile Tales of Pua Kumbu: The Sacred Journey	The exhibition's goal is to take the research on the textile beyond the academic sphere by presenting research findings into the public sphere. The exhibition aims to create and present to the public, a living, digital, cultural imaginary of intangible knowledge, that heretofore could only be experienced by a very few people. For the record, the second prototype was an exhibition sponsored by the University in conjunction with the 111-year anniversary of the University of Malaya. This exhibition was also the result of earlier research by Dr. Weylyn Jehom on Pua Kumbu. Dr. Weylyn also is the curator and designer of the exhibit and other material related to the exhibition. Networking created within and beyond the exhibit are all belong to Dr. Weylyn.
TRADITIONAL KERONCONG MUSIC: A Solo Exhibition by Maamor Jantan	A Solo Exhibition by Maamor Jantan showcases the beauty of Keroncong on canvas and paper. Research on the historical background of the Keroncong is part of the material presented in the exhibition. The exhibition goal is to create an exhibition that engage visitor in a different perspective where conventional and unconventional methods will be integrated with improvements from various angle. The amendments created were the result from comments, idea and suggestion made by visitors from the previous prototypes.

Data Analysis

During the observation phase, an important question was asked to help strengthen this research objective; (*Why do people visit the museum?*). The question was asked randomly among 348 purposive respondents male and female visitors of different ranges of age. from various museums and galleries provided various phrases/words as their responses to the question given. The summary of their responses is as follows:

Table 2. The random phrases / words on Why do people visit the museum?

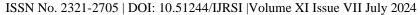
	Total of Responses	
Description in Phrases / Words		Percentage of Responses
	(n=348)	
To learn	71	20.40
Curious on certain subject	67	19.25
To experience new thing	56	16.09
Looking for idea	41	11.78
Broadening horizon	38	10.92
To appreciate art	27	7.76
To enjoy the environment	23	6.62
Seeking new knowledge	9	2.59
Seeking new information	6	1.72
Personal interest	6	1.72
Exploration	4	1.15
Total	348	100





Based on the summary of phrases from the visitors, they understood why they visited the museum. 71 visitors (20.40%) mentioned that they visited the museum to learn something new, while 67 visitors stated that they were curious about a certain subject and sought answers. Additionally, 56 visitors mentioned that they visited the museum is to experience new things, and another group mentioned that they were seeking inspiration.

Prototype	Result						
	Phase One (1) – Stage One (1) In-depth Interview. All informants describe all four (4) questions in different phrases and words as in the table below.						
	Accompanied Q1 Q2 Q3 Q4		Q4				
		Flourish	Boring	Through Art	Still new		
	Curator 1	Bold	Uninspired	Opportunities	Additional cost		
		Exploration	Uninteresting				
		Develop	Unexciting	Through Art	Not much		
	G42	Growing	Uninspired	Communication	Need to study the elements		
	Curator 2	Experimental					
		Changing Enjoyable	Monotonous	Storyline	Not many curators willing to try		
	Artist 1	Colourful	Repetitious	Through Art			
		Challenging					
Prototype 1 –	1 Artist 2	Creative	Characterless	Storyline	Curator don't want extra work		
		Inspiring	Uninteresting	Experience			
(Intensity was a solo exhibition		Exciting		Sharing Session			
by Rube Jamal)		Unflattering	Dull	Good Exhibit	Malaysia needs it!		
of Hube Guinary		Gaps	Insipid	Good Concept	New way in exhibit		
		Elite	Same old way	Good Setting			
				Interaction			
	Design Student		Unimaginative	Good Exhibit	Contemporary and modern mixed together with design elements		
		Improvement	Unoriginal	New Learning Mechanism			
		Fun		Environment			
	innovative exhib collaboration bet expressed frustra exhibition design	ition designs. ween artists a ation with the as in Malaysia	Artist 1 echoed and curators in each of creat.	I this sentiment, emexhibition design. Exive freedom and the	nasizing the need for more aphasizing the importance of Both Curator 1 and Curator 2 he need for fresh, inspiring		
	Prototype 1 - Phase One (1) – Stage Two (2) Findings based on 3 open-ended questions.						





Q1: Please describe in your own words what you think the exhibition is.

Q2: Please describe in your own words what you think the exhibition design is.

Q3: Please describe in your own words what you think about the learning experience in the exhibition.

Description in Phrases / Words	Total of Response	Percentage of Responses	
Description in Timases / Words	(n=200)	(n=200)	
Display	69	34.5	
Exposition	26	13	
Presentation of Artwork or Artefact	32	16	
Things shows on the wall or showcase	33	16.5	
Showcasing	21	10.5	
Demonstration	19	9.5	
Total Percentage	200	100	

Questionnaire Respondents – Q1

Description in Dhyeses / Words	Total of Responses	Percentage of Responses
Description in Phrases / Words	(n=200)	(n=200)
Showcasing	73	36.5
Collaborative Process	46	23
Process of developing an exhibit	38	19
Way of exhibit something	30	15
Procedure before developing an exhibit	13	6.5
Total Percentage	200	100

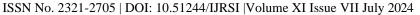
Questionnaire Respondents – Q2

Description in Phrases / Words	Total of Responses	Percentage of Responses
Description in Timases / Words	(n=200)	(n=200)
Things you learn in the exhibition	55	27.5
Things you experience from the exhibit	46	23
Opportunity to learn in exhibition	42	21
Thing you explore within exhibition space	34	17
Discover new things from the exhibit	18	9
Things you remember from the exhibit	5	2.5
Total Percentage	200	100

Questionnaire Respondents – Q3

Findings based on 9 points questions.

Percentage			
- ·	Slightly	Neither agree	Agree Strongly
Disagree	Disagree	nor disagrees	Agree





It is enjoyable to spend time in this environment	33	26	30.5	7.5	3
When looking around this exhibition, I'm not sure where to start or where to go next		50.5	24	9	13.5
This exhibition's design helps spark my interest	49	48	3	0	0
This exhibition's design and layout help me make sense of what the exhibition is about.	0	0	10	34	56
This exhibition provides enough options to choose from.	91.5	3	5.5	0	0
This exhibition is logically presented.	O	0	18	38	44
I had a worthwhile experience in this exhibition.	0	33	33	34	0
It takes a lot of effort to stay focused on this exhibition.	55	16	21	8	0
I don't really pay attention to the exhibition environment – I just like to look at the exhibits.		1	36	12	44

Prototype 1 – Close-ended Statement

Prototype 1 – Phase One (1) – Stage Three (3)

Findings based on respondents' opinion and suggestion

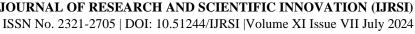
Suggestion	Percentage
Exhibition Concept	83
Learning Mechanism	62
Hands-on Activities	61
Video	40
Audio	40
Distributional Spaces	65
Additional Setting	56
Technology Mechanism	47
Installation	78
Entertainment	44
Separate Wall	55
Lighting	63
Props Presentation	45
Wall-text	68
Reading Material	81

Respondents' Suggestion (For Prototype 2)

Prototype 2 – Prototype 2 – Phase One (1) – Stage Two (2)

Textiles Tales of Findings based on 9 points questions. **Pua Kumbu:**

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Journey

1	Percentage				
	Disagree	Slightly Disagree	Neither agree nor disagrees	Agree	Strongly Agree
It is enjoyable to spend time in this environment	0	0	0	21	79
When looking around this exhibition, I'm not sure where to start or where to go next	0	74	3	7.5	15.5
This exhibition's design helps spark my interest	0	0	19	18	63
This exhibition's design and layout help me make sense of what the exhibition is about.	0	6	9	24	61
This exhibition provides enough options to choose from.	10	11	21	42	16
This exhibition is logically presented.	2	9	47	18	24
I had a worthwhile experience in this exhibition.	0	0	31	23	46
It takes a lot of effort to stay focused on this exhibition.	0	32	14	18	36
I don't really pay attention to the exhibition environment – I just like to look at the exhibits.		0	33	11	56

Prototype 2 – Close-ended Statement

Prototype 2 – Phase Two (2) – Stage Two (2)

Findings based on respondents' opinion and suggestion

Suggestion	Percentage
Exhibition Concept	81
Learning Mechanism	73
Hands-on Activities	79
Video	71
Audio	80
Distributional Spaces	68
Additional Setting	65
Technology Mechanism	80
Installation	82
Entertainment	81
Separate Wall	67
Lighting	83
Props Presentation	72
Wall-text	64
Reading Material	61
Storyline	67
Dramatic Setting	80



Respondents' Suggestion (For Prototype 3)

Prototype 3 - Phase Three (3) – Stage One (1)

Findings based on 9 points questions.

		Percentage				
		Strongly Disagree	Slightly Disagree	Neither agree nor disagrees	Agree	Strongly Agree
	It is enjoyable to spend time in this environment	0	0	0	12	88
	When looking around this exhibition, I'm not sure where to start or where to go next		10	4	0	0
	This exhibition's design helps spark my interest	0	0	0	18	82
	This exhibition's design and layout help me make sense of what the exhibition is about.		0	11	17	72
	This exhibition provides enough options to choose from.	2	6	12	10	70
	This exhibition is logically presented.	0	0	0	9	91
Prototype 2 –	I had a worthwhile experience in this exhibition.	0	0	0	8	92
	It takes a lot of effort to stay focused on this exhibition.	O	0	9	12	79
Solo Exhibition by Maamor Jantan	I don't really pay attention to the exhibition environment – I just like to look at the exhibits.	40	33	7	0	0

Prototype 3 – Close-ended Statement

Prototype 3 - Phase Three (3) - Stage Two (2)

Findings based on respondents' opinion and suggestion

Suggestion	Percentage
Exhibition Concept	73
Learning Mechanism	65
Hands-on Activities	74
Video	56
Audio	45
Distributional Spaces	34
Additional Setting	55
Technology Mechanism	87
Installation	91
Entertainment	88
Separate Wall	54
Lighting	76

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Props Presentation	50
Wall-text	56
Simple Reading Material	78
Simple Narrative	55
Dramatic Setting	71
Real object presentation	66
Play Activities	45

It can be summarized that each prototype provides a different impact on the production of the next prototype. Each prototype was successfully developed with the assistance of visitors' suggestions and comments towards the exhibition. 'People' who come to the museum and 'people' who work within the museum are the key people in this prototype and trying to understand visitor problems, issues and concerns will help in producing better prototypes and exhibitions that suit their needs and wants.

All four (4) main subjects (i. Exhibition Design, ii. Design Thinking, iii. Visitor Learning Experience, iv. Mise-En-Scene), this research contributed to the body of studies and created the flow of the research design. The study answered the following research questions:

RQ1 – How do the new exhibition designs create a meaningful learning experience for its visitors?

Answer – 'People' are the main reason why the museum still exists to this day and 'people' also started the journey of museology in the world. When the first museum was created the main objectives for its opening were related to learning and knowledge and even the definition of the museum also mentioned learning, knowledge, experience, and enjoyment. Prototypes created in this study also favoured the visitors who were given priority to put forward ideas and views on the new exhibition design.

RQ2 – How can design thinking bring about creative solutions to solve complex exhibition problems?

Answer – Design thinking refers to inventive, creative, and innovative strategies where the approach can be used to consider issues and resolve problems related to human needs and wants. Design thinking also has been known as a human-centred approach where empathy is the main key to understanding other human problems. It has been applied in complex business issues as well as in other industries or areas. In the museum industry design thinking is the best creative solution for solving complex exhibition problems due to its success rate in the past.

'People' is the only reason why the museum was created a long time ago and 'people' also is the only reason why this research was created. 'People' need to understand other 'people' and 'people' need to solve other 'people' problems. This is the reality in any industry in the world where 'people' take advantage of other 'people' and benefit from other 'people's problems. No matter how it ends we must look back at the beginning to understand the whole situation. The category of 'people' relates to the visitors of the museums and galleries where they are the people who seek learning, knowledge, and experience. They will make their meaning and at the same time construct their narratives and storylines based on their interest and experiences gained (Kelly, 2007). Another category of 'people' relates to the curator and design team within the museums and galleries. These are the 'people' who seek to solve visitor and management problems and they will also be the people who will investigate the operational side of the museums and galleries. Curators cannot be simply defined by their ability to create an exhibition and again as stated by Obrist (2011) sometimes a curator is the servant, sometimes he gives artists ideas of how to present their work, and the curator is also an inventor in creating the right exhibit.

Mise-En-Scene is just a tool in this research but it's a useful tool that assists in creating better and improved exhibition design. Some museums might look at the installation as a waste, but it may create an impact on the visitors. The curator and design team might have to look back at their past creation for them to be able to see through what visitors want and reject. Design development is another process that they might want to look at where they might find something interesting to work at and work with. The whole process of creating an exhibition can be summarized as a learning process where 'people' learn about other 'people' and try to

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understand 'people' needs and wants as well as solve problems. It might look simple and easy, but 'people' are funny creatures and never stop complaining if given a chance. And since the designer and curator are also human this might help to understand one another.

Design thinking might help in certain cases and benefit all parties and in this case, the problem facing the museum and galleries. Empathy, as the main element in design thinking, is the key to understanding visitors' and management's wants and needs while prototypes might not be the answer to every problem but assist in getting the possible solution. The prototype created is meant to be tested by the client and in this case, the visitor and conclusion can only be derived from it. Mise-en-scene as a tool might change in the future but the essence is that assisting directors and film/theatre crew can be part of the curator and designer team tool in supporting them in creating their next exhibition. Mise-en-scene might be defined as 'to put on stage' but in the case of the exhibition it might as well be defined as 'to put on exhibit'.

From the exhibition design, design thinking, visitor learning experience, and mise-en-scene to the curator, we are looking at multifaceted practices and the multifaceted public. Every single one of these elements empowers one another and at the same time creates a fundamental that strengthens the whole institution.

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DECLARATION OF CONFLICTING INTERESTS

The author(s) declared no potential conflicts of interest concerning the research, authorship, and/or publication of this article.

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