NAMES 2018
Visitors' Experience – Part 1: Exhibits Development

Prototype and Test

Planetarium Science Center
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BIBLIOTHECA ALEXANDRINA
مكتبة الإسكندرية

Planetarium Science Center
مركز القبة السماوية العلمي

The Planetarium Science Center

Planetarium Theater

ALEXploratorium

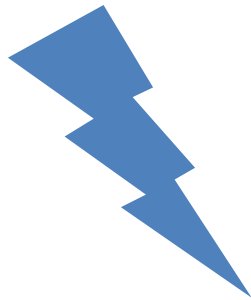History of Science Museum
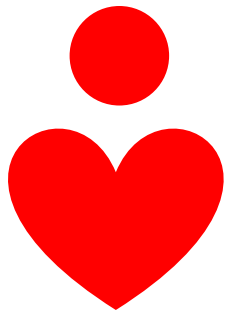
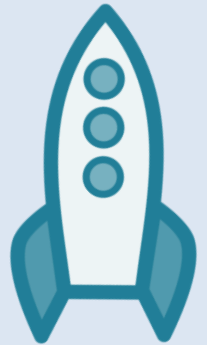**Empathize** **Define** **Ideate** **Prototype** **Test** **Implement**

Our Criteria

- Our criteria to implement the interactivity is from Sketch to Reality.

- From Sketch to Reality is the way that includes many processes to generate a product. The process starts with the idea and preparing the general specifications to build the first model (prototype) of the product. Then, we can go through an open discussion to get more inputs from our team members, which gives the technical specifications of the prototype. After that, we can start the drawings (Sketch) and moving on to the implementation process (Reality).

Workflow

- **Work Flow:**
    1. Specifications
    2. 30 min kick off meeting
    3. Prototyping
    4. Engineering Drawings
    5. Customer Approval
    6. Final Drawings
    7. Data for Production
    8. Purchasing
    9. Production
    10. Assembly
    11. Testing
    12. Some Works on The Product
    13. Evaluation and Customer Testing
    14. Customer notes modifications on the product
    15. Customer Approval and Evaluation
    16. Packing and Shipping
    17. Installation

Exhibit Design Concept

Exhibits Design Concept

About Science

Not interactive and boring.

Of Science

Let them do it by themselves.

- We are designing the interactivity, so we choose (of science).

Exhibits Design Concept

- Take care of the following:

Ages of Audience

Simple access

Maintenance

Safety

The Five Ws

What › Where › Whey › Who › When

What?
- What is the subject of the exhibition? (Math – Nature – Astronomy …)

Where?
- (Old Building/New – Indoor/Outdoor)

Why?
- Why people should come to the science center?

Who?
- Users and their culture (Kids/ adults – disable people)

When?
- When do the activities need to happen?
- What comes first? What comes last?

Building Prototype and Testing

Title of The Task	---
Description	---
Videos/Links	
Place of Operation	- For Science Show (Large Exhibit) - For Exhibition (Small Exhibit) - For Travelling Exhibition (Table Version)
Mode of Operation	- Automatic - Push Button - Manual
Target Age	All Ages
Size	According to the place of operation
Factors may affect the operation	---
How many times it will be used	---
Comments During Prototyping	---
Final Result	---

The Evaluation and Testing Process

We may use many ways of evaluation like:

- Taking feedback from your technical team
- Taking feedback from your colleagues at work (non-technical)
- Make a soft opening for visitors feedback

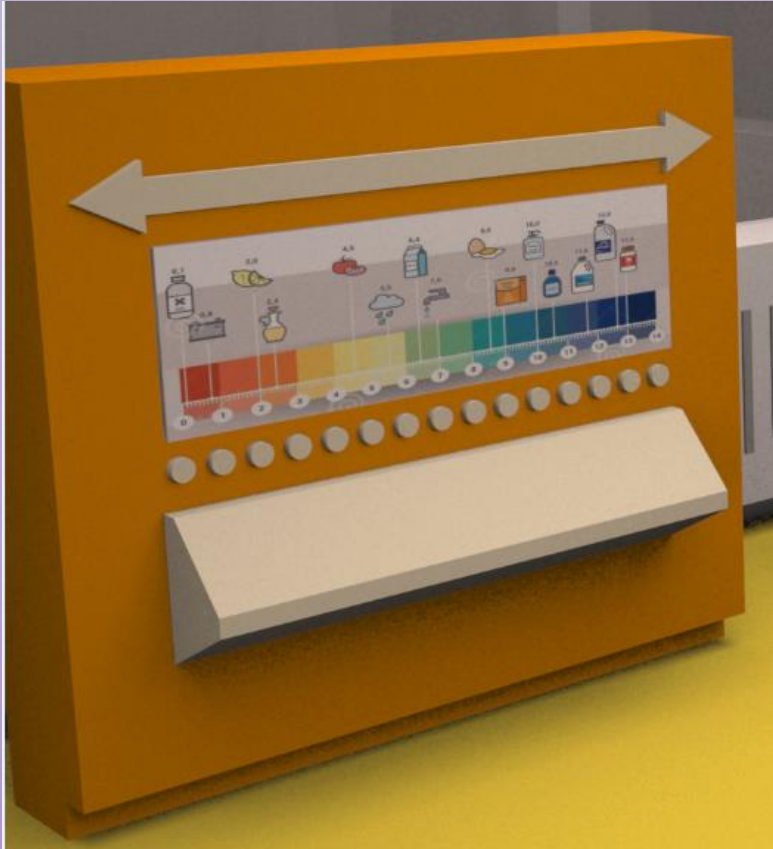# From Sketch to Reality

Sketch	Reality

Sketch	Reality

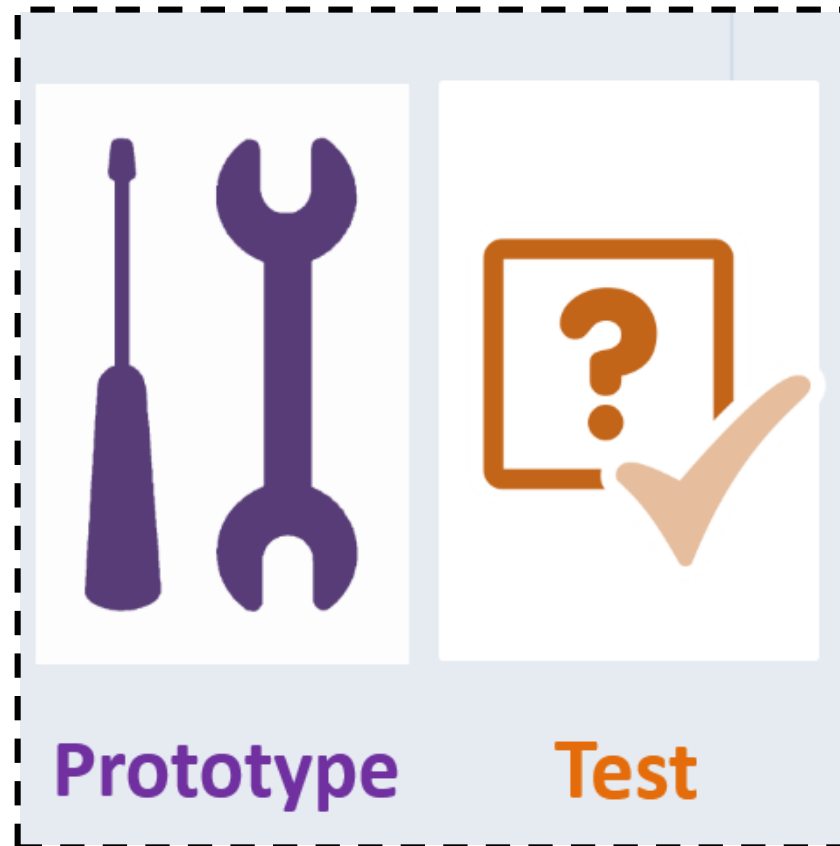| Sketch	Reality

Going deep in the content may cause your exhibition to be dull. Beware of the interactivity first then go deep with the content.

Axel Hüttinger

Orange Table

Let's build a Prototype and Test it

Thank You

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