

# Concept Ideation

February 25, 2018February 28, 2018 1 Minute

## Fully Loaded:

A cross between Digital and Physical design. People can create / manipulate digital Islamic Design patterns through physical inputs.

I want to build an interactive mini-building, that represents Islamic Design in all aspects. Physical attributes will represent Islamic Architecture, patterns, and design. The Digital interface will represent traditional Islamic patterns.

### *Digital:*

- Interactive
- Visual Patterns
- Audio
- Users manipulate shapes and patterns
- Ability to save experience
  - Save and Share experience your experience
- Educational
- Fun and Motivational

### *Physical:*

- Walk in Installation
- Looks like a Islamic building on outside
  - Patterns, Windows, Color, and proper lighting
- Detail and texture
- Inside is dark with bright screens
- Screens have patterns and the imagery is manipulatable

## *Tools and Resources:*

- Arduino / Raspberry Pi
- wi-fi connection
- Camera
  - Record experience / design creations
- Speaker / Sounds
- Screens (10x) ... or more
  - Maybe touch?
- Knobs / Buttons / Inputs for manipulation
- Pvc for frame
- Wood or Foam Board for walls
- Vinyl with patterns hanging
- 3d printed mini objects (ex. knobs, or hanging material)
- Rug for the floor
- LED colored lighting
- Lights
- Power outlets
  - Extension cord?
- People to help me build
  - My Mentor, Father, Brother, Boss, and my Workshop
  - Investors?

## Absolute Minimum:

- Code that manipulates Islamic Design Patterns
  - To my specifications
  - Its CLEAN and works across platforms
  - I need to ensure I have code templates for touchscreen, manual manipulation, and a cross platform experiences.
  - Possibilities and needed code:
    - Java
    - Processing
    - JavaScript
    - Arduino
    - Raspberry pi
    - IoT
    - App for the system