

Moppi Demopaja

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Overview

- **What is Demopaja?**
- **Demo composing**

History

- **hardcoded**
- **text scripts**
- **visual scripts**

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Hardcoded

Example:

```
frame = 0
do {
    while( frame >= 0 && frame < 100 )
        draw effect
} while( done );
```

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Hardcoded

- **full control**
- **workload on coder**
- **slow development**
 - **full recompile after each change**
- **extremely boring to make the visuals in sync with music (can use algorithms though)**

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Text Scripts

Example:

```
IMAGE1 = "molppe.jpg"  
[0..6] SHOWIMAGE SRC=IMAGE1 OPACITY=100%  
...
```

Text Scripts

- **faster development process than with hard coding, no recompile required**
- **syncing stilla has to be done “blindly”**
- **workload shifted from the coder to the graphics team (needs a little coding skills)**

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Visual Scripts

- **Example: Demopaja**

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Visual Scripts

- **fast development process, scripting authoring too has similar UI as other graphics authoring tools**
- **workload completely on graphics team**
- **very easy syncing (WYSIWYG)**

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Short History

- **first version was made over five years ago**
- **some bad design choices:**
 - **time in seconds**
 - **graph UI (hard to understand)**

Design Goals

- **simple and doable**
- **easy to use**
- **easy syncing**
- **extendable**

Demopaja Basics

- **Timing**
- **Footage (Importables)**
- **Effects (and Layers Etc.)**

Timing

- **Demopaja timing set in:**
 - **Beats / minute**
 - **Q-notes / beat**
 - **Beats / Measure**
 - **editing accuracy**

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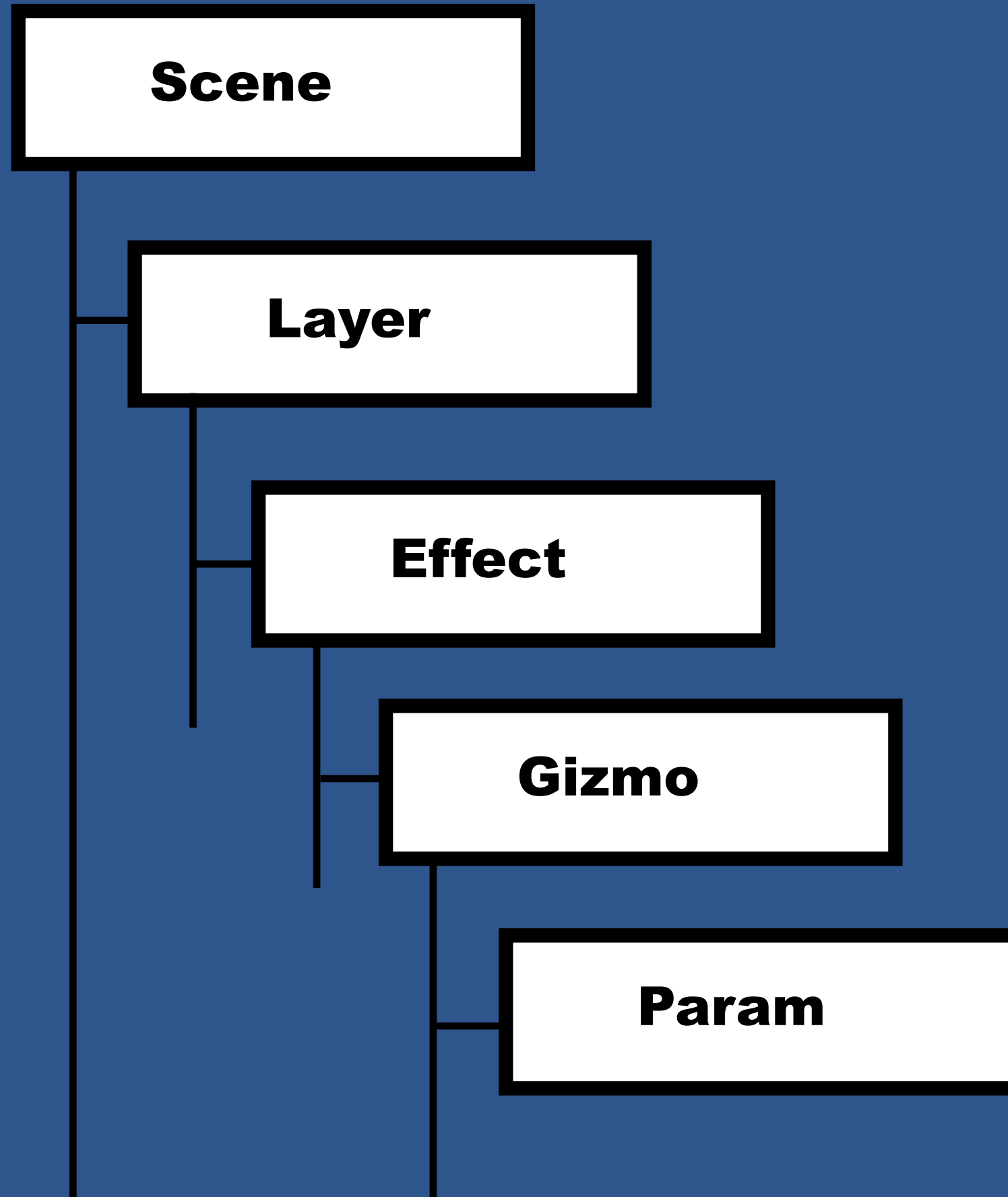
Footage

- **designed for demo composing**
 - **import files**
 - **place files on timeline**
 - **imported files are static data**
 - **data reuse**

Effects

- **effects creates everything you see**
- **generative or just viewer**

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Examples

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Future

- **linking & mixing**
 - **VJ:ing, interactive apps, etc.**

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