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ABSTRACT

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Title

Meemoo: Hackable Web App Framework

Type of work
Project

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English

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55

Abstract

Meemoo is a modular web app framework with a focus on design for hackability. People can create and modify new media tools with this framework in a web browser without writing code. Tools are made by wiring together pre-built modules. Modules are created with web standards.

This thesis consists of Meemoo[1], which is a framework for hackable web apps. It is also a live animation performance[2] with an app created with the Meemoo framework.

The main objectives of this project:

- Design a modular dataflow visual programming framework using web technologies.
- The framework should afford non-coders the ability to modify creative web apps by configuring wires that represent how modules communicate.
- There should be a simple syntax to define the inputs and outputs of a module.
- Apps created with the framework should have source code that is easy to read and share.
- Web developers should be able create new modules for the framework using a simple standard.

[1] Project page, demos, and source code: http://meemoo.org/
[2] Performance documentation: http://youtu.be/T_tCyYGLWKM

Keywords
web, html, javascript, framework, design, modular, hackable, open source