

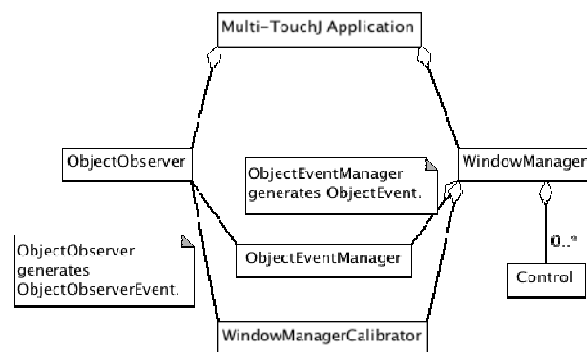
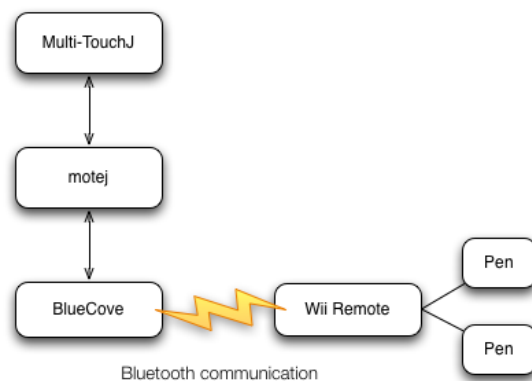
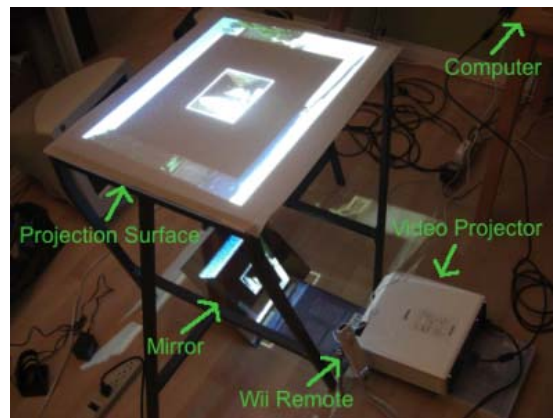
MULTI-TOUCHJ: A Wii Remote and Video Projector User Interface

Presented By: Atsuya Takagi

Abstract

Since Apple has introduced iPhone and iPod touch, a concept of multi-touch has gathered everyone's attention. More developers are showing their interests in creating application with multi-touch capability. About a year ago, Johnny Lee from Carnegie Mellon University demonstrated a multi-touch whiteboard application using widely available consumer devices: Nintendo's Wii Remote and a video projector. This was remarkable because he showed that a multi-touch environment could be created without any special devices, but with those widely available consumer devices.

In this thesis, a multi-touch framework called MultiTouchJ is discussed. The Multi-TouchJ uses the Wii Remote and the video projector, and allows developers to create a multi-touch application. The design and implementation of the Multi-TouchJ are explained in detail, and applications created using the Multi-TouchJ are also introduced.



Committee Members:
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