Senior Project CIS 4911-U01

Multi-Touch and Mid-Air Framework

Visualizer

Installation Guide

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Overview

Input devices have advanced at an outstanding rate in the last few decades. The introduction of the mouse was one of the factors that brought the personal computer out of the technical user niche and into the regular consumer. Now touch input is in almost every cellphone and readily available to the general public. Newer input forms have been developed since such as multi touch screen, 3D mouse, midair tracking, and others. Up until now developers have had to code their respective games and applications for the individual input devices which make it a time consuming task and it limits the utilization of more than one input device in use at a time.

The Touch Air Motion Framework is trying to create a more encompassing input device library such that developers can simply choose their input devices and code their apps without having to deal with the individuality of each device. This document pertains to the visualization interface for the TAM framework.

Installation

Developing application visualizer:

1. Download the TamVisualizer Project
2. Install Visual Studio 2013.

<https://www.visualstudio.com/en-us/downloads/download-visual-studio-vs.aspx>

1. Install Qt

<https://www.qt.io/download/>

1. Install Qt plugin Version 5.4 or greater for visual Studio 2013

<https://wiki.qt.io/QtVSAddin>

1. Build the solution.
2. Run the solution.