

CS2310 Term Project Milestone1

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Title: Design a “Fast Access” tool based on Gesture Recognition

Description emerging sensor technology provides us new way to interact with computer.

In this project, I will demonstrate a human-machine interaction scheme using gestures with the help of “leap motion” sensor. Specifically, I will design and implement a tool allow user to fast access some common functions, such as open a web-browser, with dedicated gestures. It also involves dynamic patterns such as rolling a page by moving figures.

The project will implement by steps:

Step1: design gestures that can be captured by sensor

Step2: implement it with windows API so that dedicated gesture can accomplish tasks like open software, show recent files etc.

Step3: be able to work with user some defined gestures

Step4: a more aggressive goal is to support dynamic patterns: movement of figure, pinch to zoom

Deliverables

By MS2: complete with Step1 and Step2

By demo: show Step2 & Step3

Plan B: finish Step1 and some primitive of Step2, demonstrate the scheme with SIS testbed.