## CSE 142 Computer Programming I

**Event Driven Programming** 

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### **Event-Driven Programming**

Program starts, sets itself up. Program enters an "event loop", waiting for some event or command to happen: mouse click, key click, timer, menu selection, etc. Program performs operation ("handles" the

K-1

К-3

K-5

event or command) Program goes back to its wait loop

Programs using UW's GP142 graphics

package follow this model



# Command Interpreter Loop Control Schema

repeat until quit signal use variable "done" to indicate when done

### set done to false

while not done {

body statements

if quit command, set done to true

### Command int main(void) { char command; int done; Interpreter main () done = FALSE; while (! done){ /\* Input command from user \*/ command = ReadCommand( ); switch (command){ case 'A'; case 'A'; case 'a': /\* Execute command A \*/ process\_A(); break; case 'B': case 'b': process\_B(); break; case 'Q': /\* Execute command B \*/ case 'q': done = TRUE; /\* quit \*/ break: default printf("Unrecognized command\n"); K-6 } return 0; }

