

Off-Line Documentation template:          Mouse Down support

### **1) Operational Goals**

To have the application respond to Mouse events correctly.

### **2) Fundamental, "key", or cornerstone architectural requirements (POSTMORTEM)**

- Need to be able to decode the mouse down event with respect to where the mouse down happened, and do the right thing if it happens in
  - the menu bar
  - a window other than the front window
  - in the front window
  - in window's drag bar, grow box, or scroll bars if present

### **3) Model of the implementation fulfilling these key requirements (POSTMORTEM)**

- Have the 1st cracker DApplication::MouseDown decode the event to the extent that it can and pass the event on to the window to decode at higher levels of granularity.

### **4) Impact/scope of the implementation on the existing body of code (POSTMORTEM)**

- DApplication:: MouseDown handles selecting windows, decoding menu bar stuff, and sending the event to fTarget for higher resolution decoding.
- DWindow decodes drags, grows, contentclicks, and scroll clicks.

### **5) Coding notes (gotchas, warnings, process thoughts, items to revisited later...)**

### **6) Testing notes( bug types, what made a bug hard to fix, what could have been done to catch it sooner....)**

### **7) Process notes ( what process did you follow, could it be improved)**