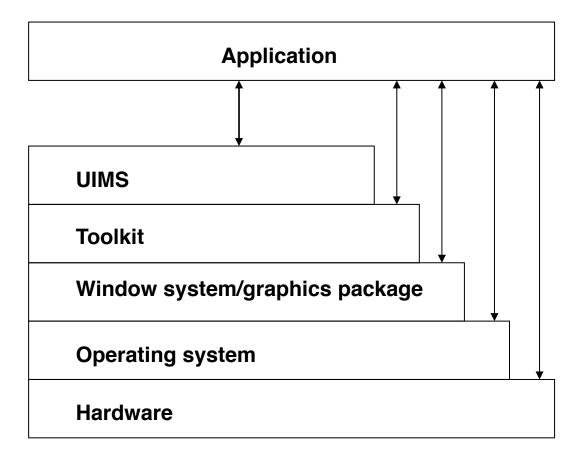
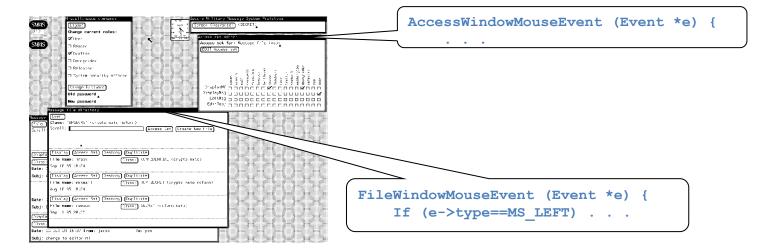
## **User Interface Software Tools**



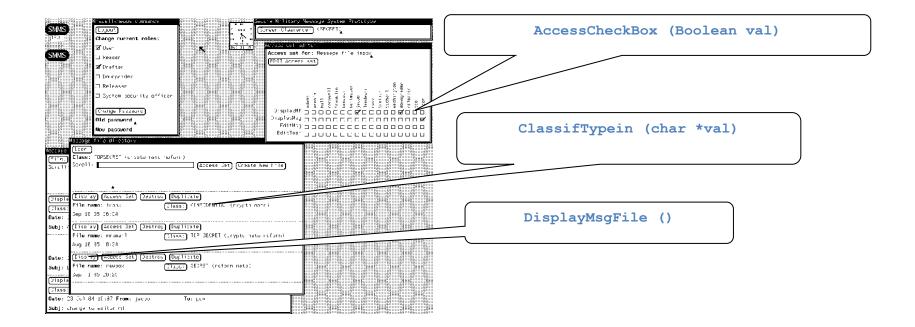
## Window Systems

- Manage shared resources (pixels, keyboard, mouse), provide clipping, translation
- Tells client when exposed, resized, or other damage
- Could implement in different places
- Single built-in window manager or allow separate
- Dispatcher



## **Toolkits**

• Divide window into controls or widgets



(N.B. Security classifications shown are simulated only.)