

User Interface Design

Considerations When Developing for Operations

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What's so special about Ops?

- **Multi-tasking workplace**
- **Continuously changing environment**
- **Some applications used very rarely**
- **Application requirements from experts**



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How Can We Help???



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Consistency

- **Colors**
- **Font**
- **Size**
- **Terminology**
- **Logical grouping**

Self Explanatory

- **Enable/disable**
- **Query the control system**
- **Online Help**
- **Observe your user at work**

Visual/Audio Feedback

- **Status bars/boxes**
- **Blinking buttons, etc.**
- **Success/failure indicators**

Act as a Buffer

➤ Expert vs Operational

- * **Topmost layer—what is NEEDED to operate the tool**
- * **Expert layer—specialized functionality**

Conclusion

KNOW YOUR USER!!!



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Examples

- **Bunchlength Measurement Script**
- **DogLeg Adjustment**