



GUI Testing

Chapter 19



Main characteristics

- Event driven
- Unit testing
 - **Button level**
 - **Text box level**
 - **Difficulty**
 - **Distinguishing**
 - Output errors
 - Computation errors
- Little integration testing
- System level testing
 - **Exercise event paths**



System testing

- Build EDPNs
- Thread coverage
 - Every atomic system function
 - Every input port
 - Every output port
 - Explore abnormal user behaviour
 - **Threads could be infinitely long**



Unit testing

- Try clicking buttons and using text boxes and visually compare with expected results
 - **Not easily repeatable**
 - **Seat of the pants testing**
 - **User input and observation errors**
- Automate with special drivers