Outline

- Quiz
- Quiz solution
- Component example
- Layout
Layout Manager

- Maintains topological relationship between components
- Follows a set of layout rules
- Uses constraints specified by the programmer
Border Layout
Border Layout

- Topology
  - Two-dimensional distribution

- Rules
  - Corner and edge components = preferred size
  - Center component = all extra

- Constraints
  - Component sector
Flow Layout
Flow Layout

- Topology
  - One-dimensional adjacency

- Rules
  - All components = preferred size

- Constraints
  - Order of insertion
Grid Layout
Grid Layout

- Topology
  - Two-dimensional distribution

- Rules
  - All components = same size

- Constraints
  - Order of insertion
  - Left-to-right
  - Top-to-bottom
GridBag Layout
GridBag Layout

- Topology
  - Two-dimensional distribution

- Rules
  - Components = preferred size
  - Extra space allocated using constraints

- Constraints
  - Grid location, cell span, padding
  - Fill dimension
  - Weight
Box Layout
Box Layout

- Topology
  - One-dimensional stacking

- Rules
  - Components = preferred size
  - Extra space allocated using special purpose “filler components”

- Constraints
  - Alignment
  - Order of insertion
Example I: ListDialog
Example Layout II
Example Layouts III
Example Layout IV