NoSQL Product Categories

Andrew J. Brust
http://www.bluebadgeinsights.com
andrew.brust@bluebadgeinsights.com

pluralsight
hardcore developer training

NoSQL Categories

- **Key-Value Stores**
  - e.g. Name: “Andrew”
  - Schema-free (every record can have different keys)
  - Most common, basis for other three

- **Document Stores**
  - Everything’s in a document, including other documents
  - Schema-free

- **Wide Column Stores**
  - Know the groups of columns, but not columns themselves
  - Semi-schematic

- **Graph Databases**
  - Relationship-focused

Key-Value Stores

Database

Table: Customers

Row ID: 101
First_Name: Andrew
Last_Name: Brust
Address: 123 Main Street
Last_Order: 1501

Row ID: 202
First_Name: Jane
Last_Name: Doe
Address: 321 Elm Street
Last_Order: 1502

Table: Orders

Row ID: 1501
Price: 300 USD
Item1: 52134
Item2: 24457

Row ID: 1502
Price: 2500 GBP
Item1: 98456
Item2: 59428

Wide Column Stores

Table: Customers

Row ID: 101
Super Column: Name
Column: First_Name: Andrew
Column: Last_Name: Brust
Super Column: Address
Column: Number: 123
Column: Street: Main Street

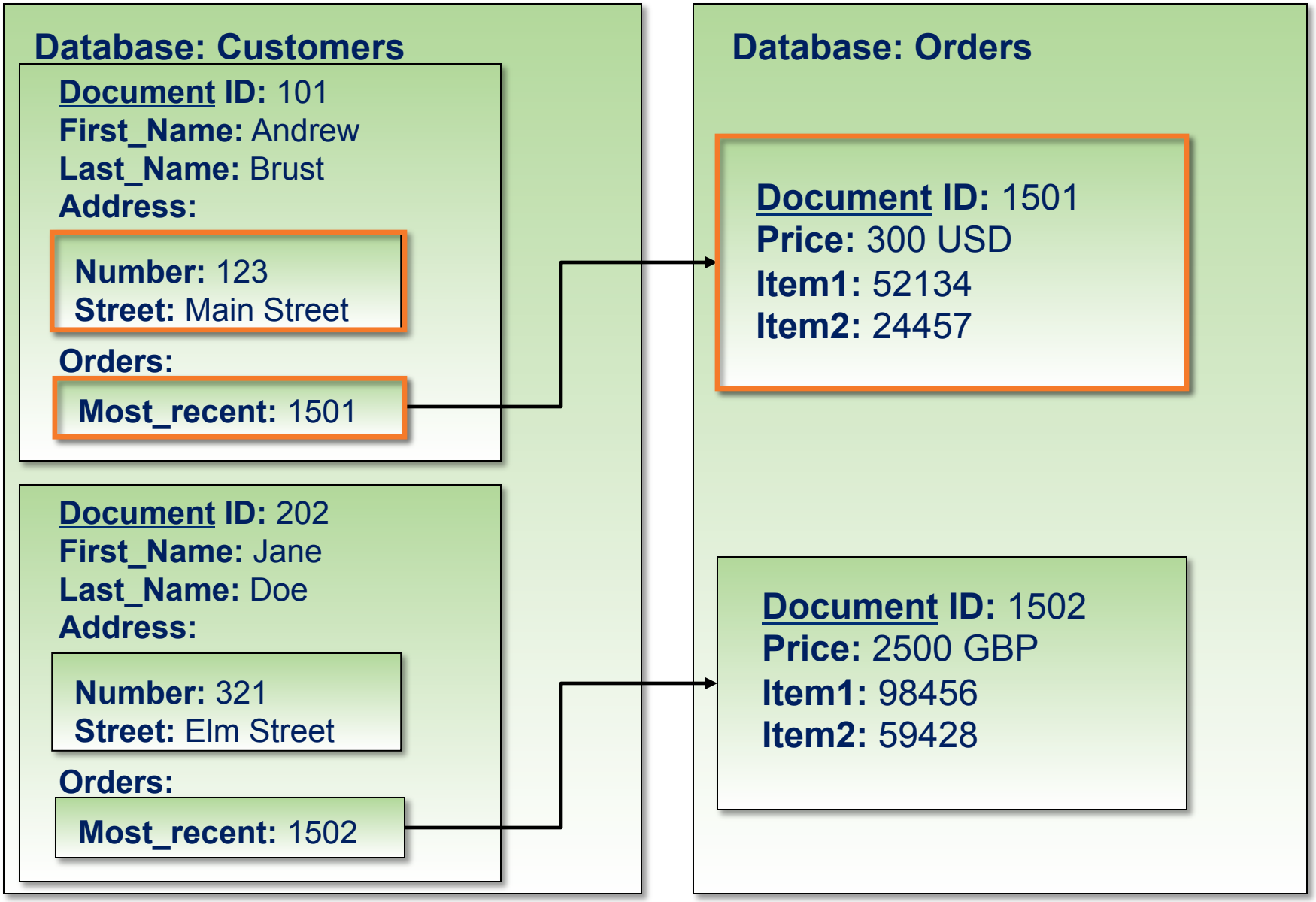
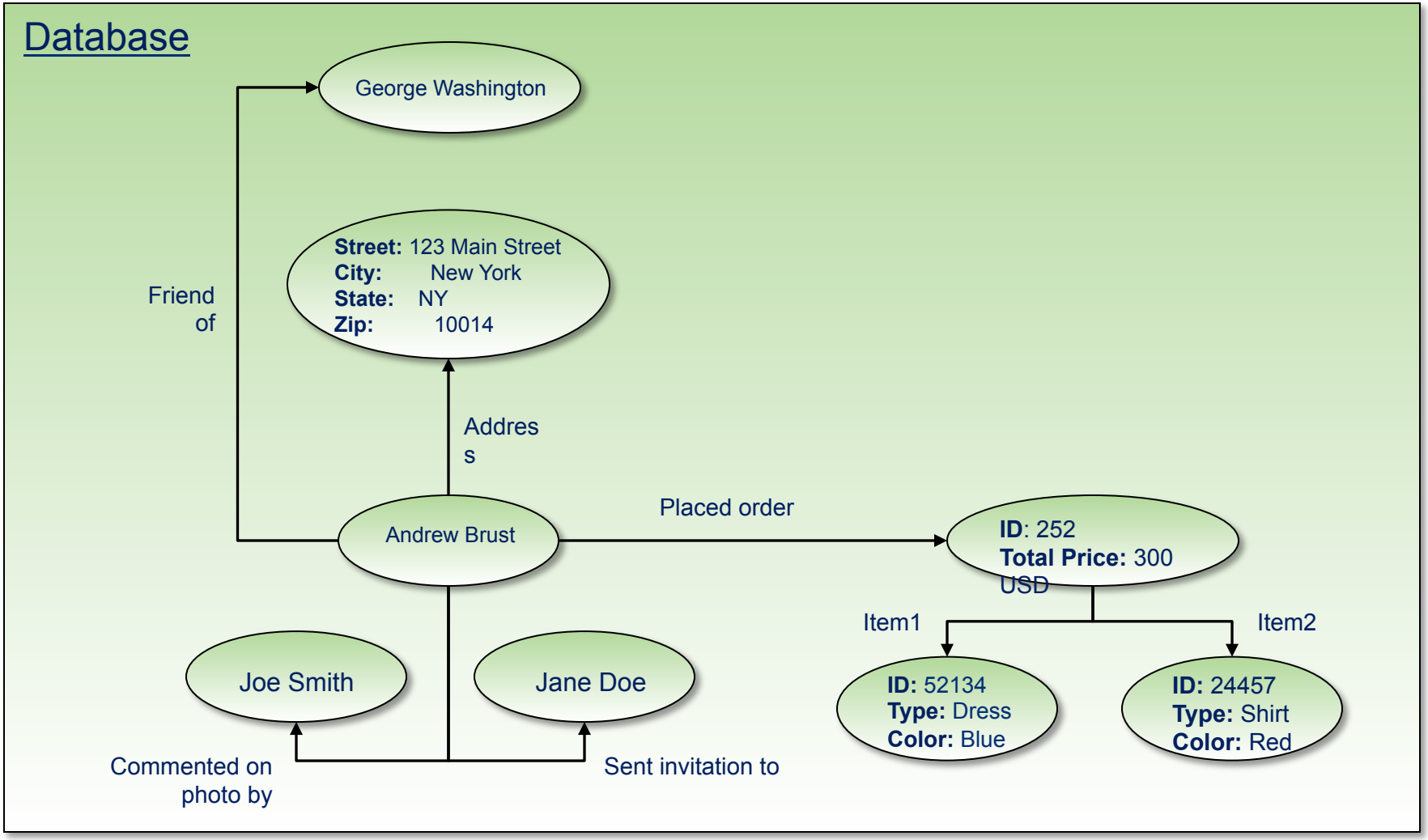
Row ID: 202
Super Column: Name
Column: First_Name: Jane
Column: Last_Name: Doe
Super Column: Address
Column: Number: 321
Column: Street: Elm Street
Super Column: Orders
Column: Last_Order:

Table: Orders

Row ID: 1501
Super Column: Pricing
Column: Price: 300 USD
Super Column: Items
Column: Item1: 52134

Row ID: 1502
Super Column: Pricing
Column: Price: 2500 GBP
Super Column: Items
Column: Item1: 98456
Column: Item2: 59428

Document Stores



Graph Databases