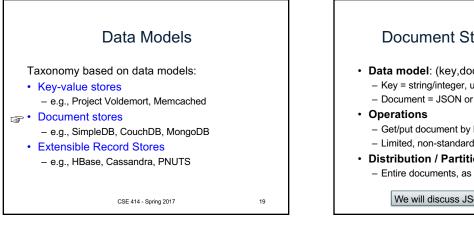


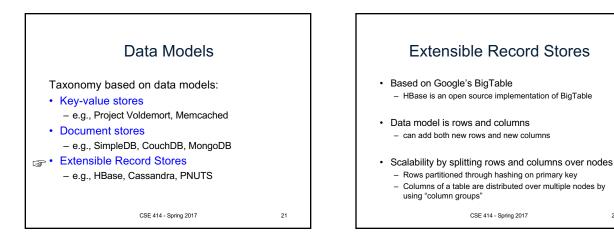
Option 3: key=(origin,dest), value=all flights between

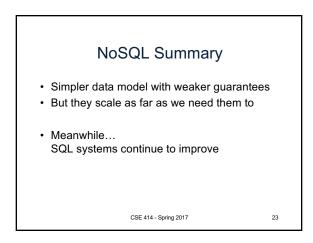
How does query processing work?

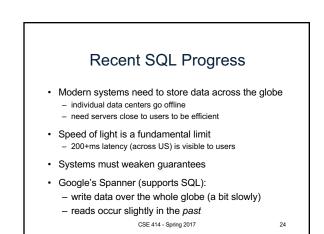


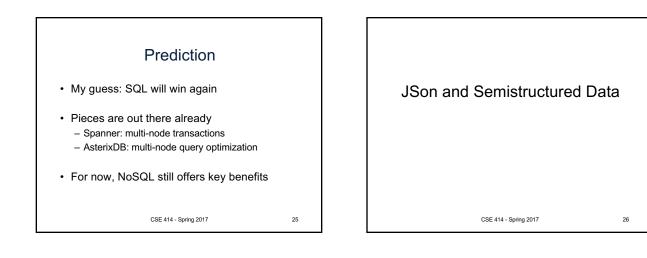


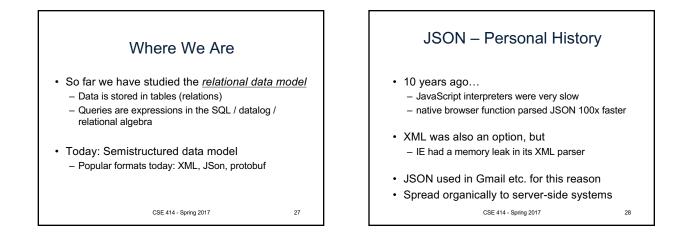








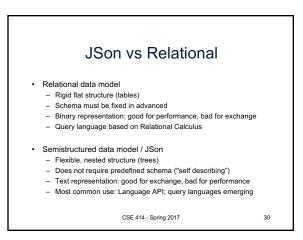


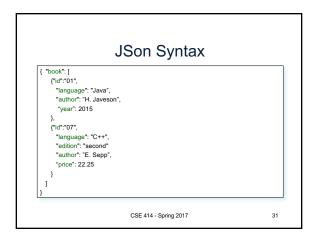


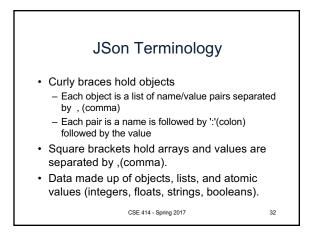
JSON - Overview

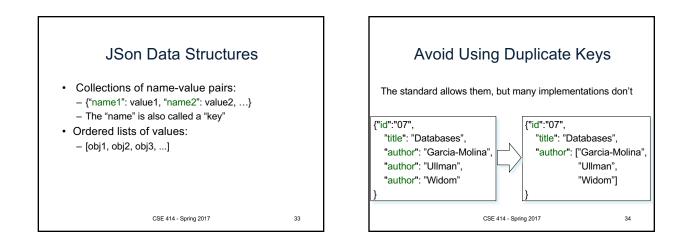
- JavaScript Object Notation = lightweight textbased open standard designed for humanreadable data interchange. Interfaces in C, C++, Java, Python, Perl, etc.
- The filename extension is .json.

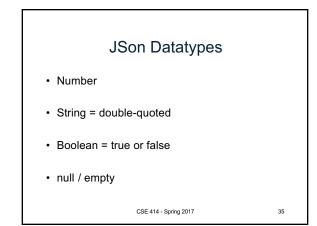
We will emphasize JSon as semi-structured data

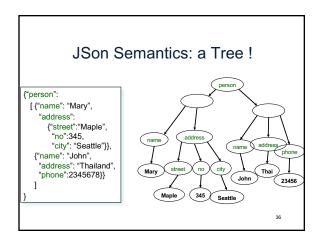












JSon Data

- JSon is self-describing
- Schema elements become part of the data – Relational schema: person(name,phone)
 - In Json "person", "name", "phone" are part of the data, and are repeated many times
- Consequence: JSon is much more flexible – also uses more space (but can be compressed)
- JSon is an example of semistructured data

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