CS122B: Projects in Databases and Web Applications
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Professor Chen Li

Department of Computer Science

UC Irvine

Notes 04: Pagination and Caching

Pagination

- Show results in different pages

SQL Support

SELECT columns

FROM table

LIMIT 20

OFFSET 10

http://www.petefreitag.com/item/451.cfm

Embedding parameters in GET requests

Example:

https://www.autotrader.com/cars-for-sale/Sedan/Irvine+CA-92604?zip=92604&startYear=1981&numRecords=25&sortBy=derivedpriceDESC&vehicleStyleCodes=SEDAN&firstRecord=0&endYear=2019&searchRadius=10

Caching in Tomcat

- Store the query results as an object
- Later requests can be served using the cache without querying the database

Caching in Tomcat

- Pros:
  - Less traffic on DB
  - Low response time
- Cons:
  - Memory overhead in web server
  - Results may be obsolete

Notes 04: Pagination