

CS50 for MBAs

Database Design

Last Time

Privacy, Security

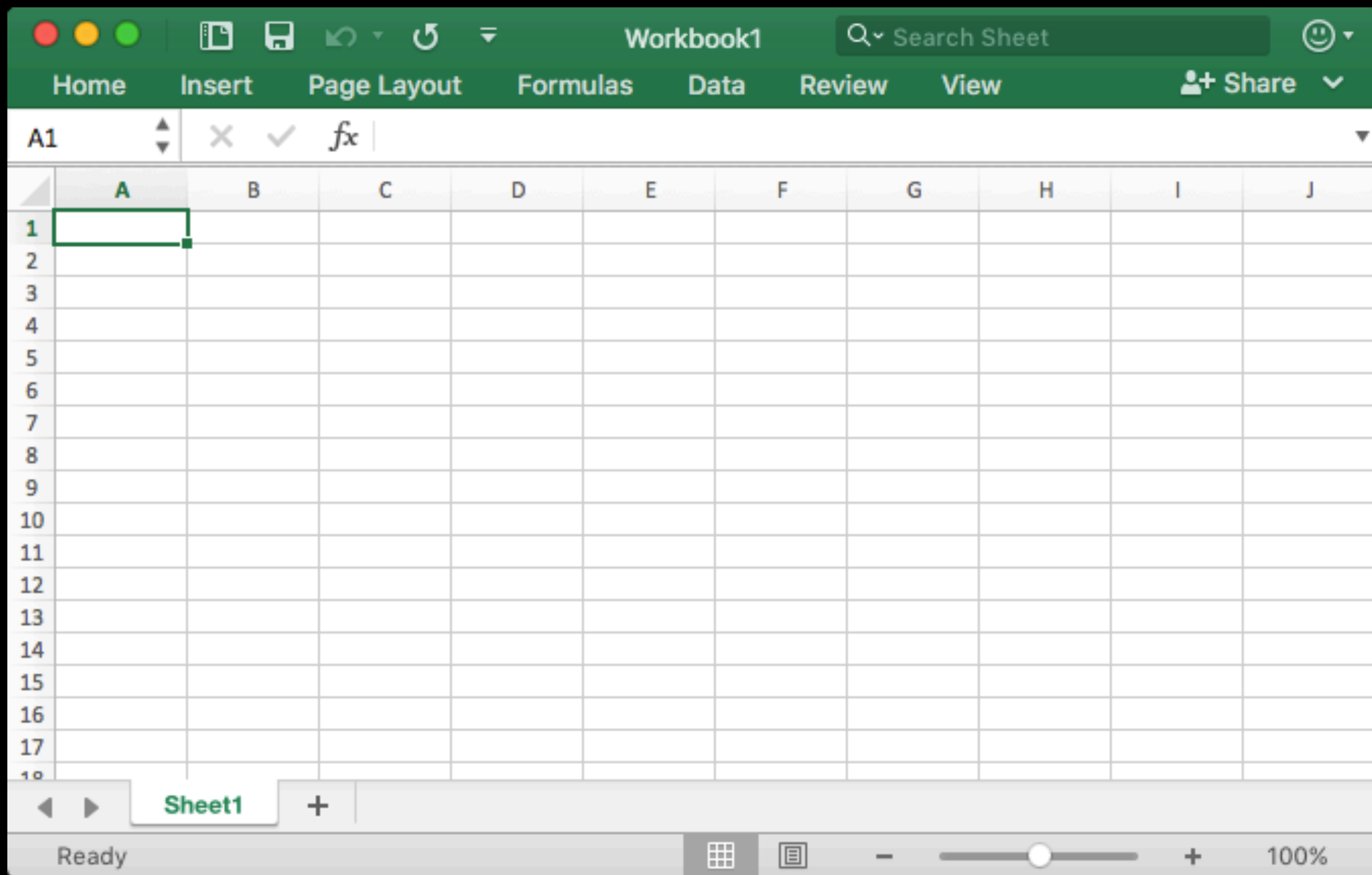
Last Last Time

Cloud Computing

This Time

Database Design

- CRUD, indexes, normalization
- noSQL, SQL



SQL

- create
- read
- update
- delete

- INSERT
- SELECT
- UPDATE
- DELETE

- CHAR, VARCHAR
- SMALLINT, INTEGER, BIGINT
- FLOAT, DOUBLE PRECISION, DECIMAL
- DATE, TIME, TIMESTAMP
- ...

- PRIMARY
- UNIQUE
- INDEX
- FULLTEXT

NoSQL

```
{
  "_id": "02134",
  "city": "Allston",
  "loc": [
    -71.132866,
    42.353519
  ],
  "pop": 23775,
  "state": "MA"
}
```

Seminar

Assignment 6

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