Integration Testing

with Database

Whose Database?

Locally hosted database

+
  - + easy to setup, might already exist
  - + reliable (always available becau[se] local)
  - + isolated

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  - — Requires more local hardware
  - — Manage RDBS on multiple machines
  - — Making sure databases are up to date

Remotely hosted Shared database

+easy setup

+ easier to manage in terms of staying in Sync

+ production like hardware/software
   Paid database

− unreliable/brittle

− lack of test isolation

− temptation to rely on data IN the database (which might change)

− incompatible changes

Embedded /In Memory Database

- Very reliable

- consistent across machines because of source control (git)

- lightweight hardware

- fast test speed

− not production like at all

− can't use any proprietary RDBMS features

Becoming less of an issue w/ docker/ containers