



# Testing the Code-first Access Layer



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# Unit Testing Definition

- Unit testing is a software testing method by which individual units of source code are tested to determine whether they are fit for use.
- A unit is often an entire interface, such as a class, but could also be an individual method.
- Separation of interface from implementation
- Should never hit the real database



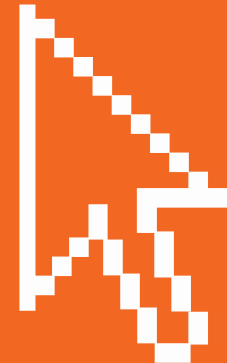
# Integration Testing Definition

- Integration testing is any type of software testing that seeks to verify the interfaces between components against a software design.
- Integration testing works to expose defects in the interfaces and interaction between integrated components (modules). Progressively larger groups of tested software components corresponding to elements of the architectural design are integrated and tested until the software works as a system
- Allowed to hit a real database.



# Demo

- Overview
- Repositories
- Unit / Integration tests
- Fake database context





# Summary



- Definitions: Unit / Integration tests
- Repositories
- Create Unit / Integration tests
- Fake database context



# Thank You



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