

Introducing a Sample Project



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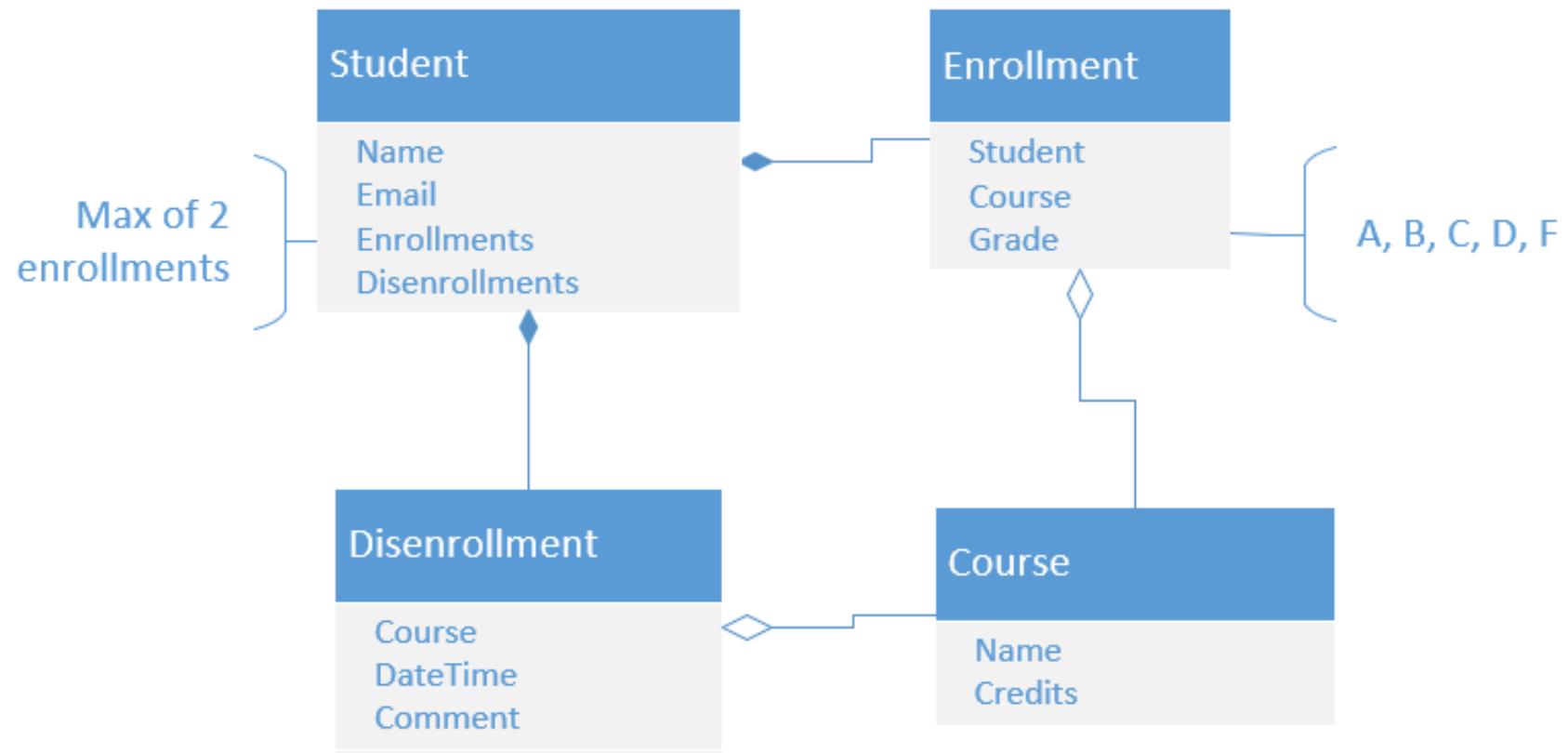
Problem Domain Introduction



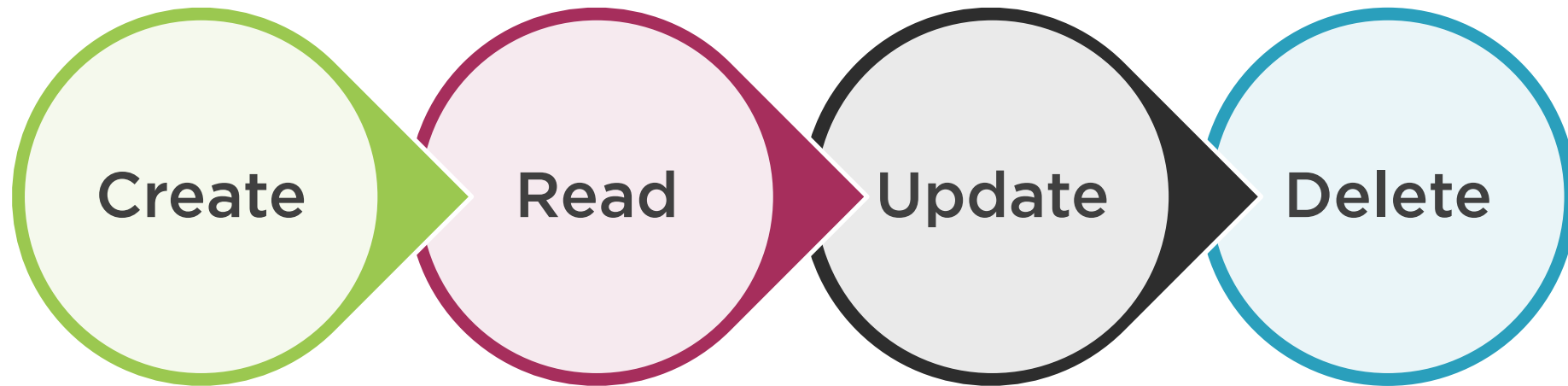
Student management system



Problem Domain Introduction



Problem Domain Introduction



Application Code Introduction

vkhorikov / CqrsInPractice

Unwatch

1

Star

7

Fork

0

<> Code

Issues 0

Pull requests 0

Projects 0

Wiki

Insights

Settings

Source code for the CQRS in Practice Pluralsight course

Edit

Add topics

3 commits

1 branch

0 releases

1 contributor

MIT

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

vkhorikov db + Search criteria

Latest commit 8a1fb13 a day ago

Before	db + Search criteria	a day ago
.gitignore	Initial	5 days ago
LICENSE	Initial commit	5 days ago
README.md	Initial	5 days ago

<http://bit.ly/cqrs-code>



Application Code Drawbacks



**Is there anything wrong
with this code base?**



Application Code Drawbacks



Scalability



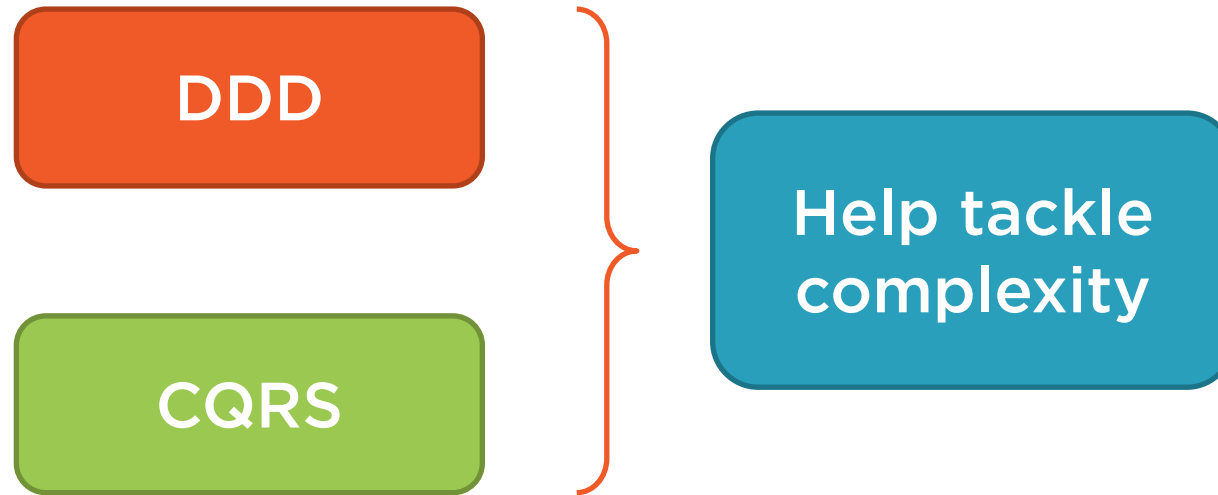
Performance



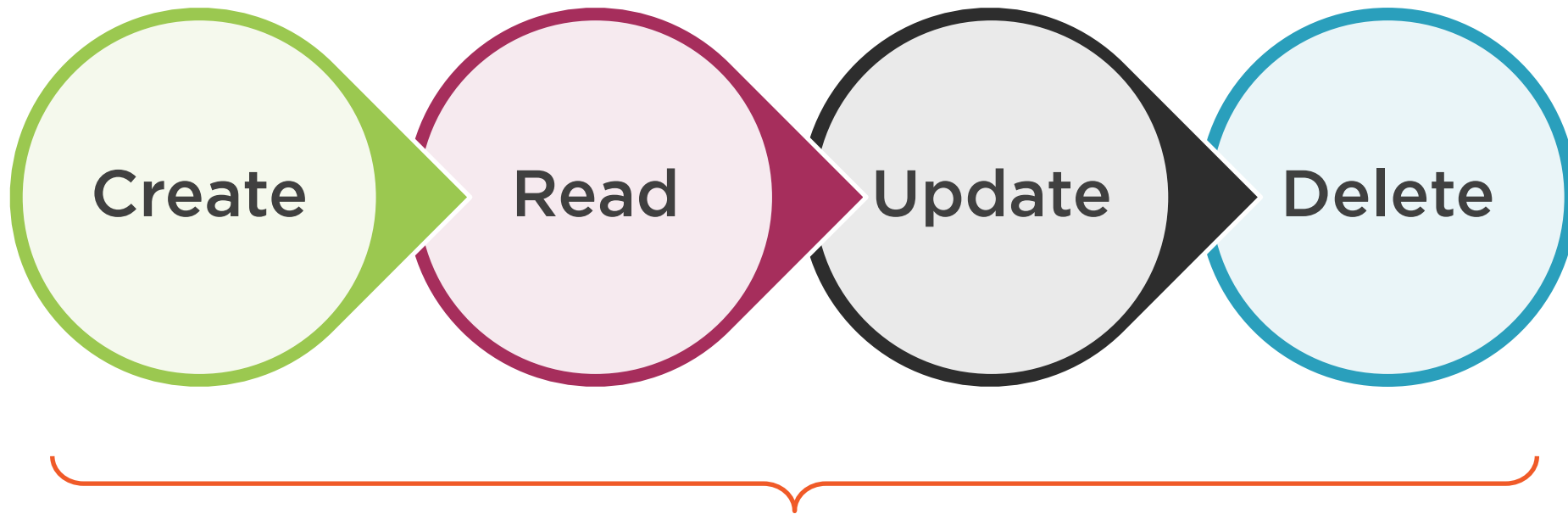
Simplicity



Application Code Drawbacks



Application Code Drawbacks



CRUD-based thinking

✗ Anemic domain model

Summary



Introduced the sample application

Drawbacks:

- Single model for both reads and writes
- CRUD-based thinking

Inability to optimize the database queries

- ORM doesn't support the required kind of querying
- N+1 problem

Unnecessary increase of complexity

- All student modifications reside in a giant update operation
- Violation of SRP



In the Next Module

Refactoring Towards Task-based Interface

