Introducing a Sample Project

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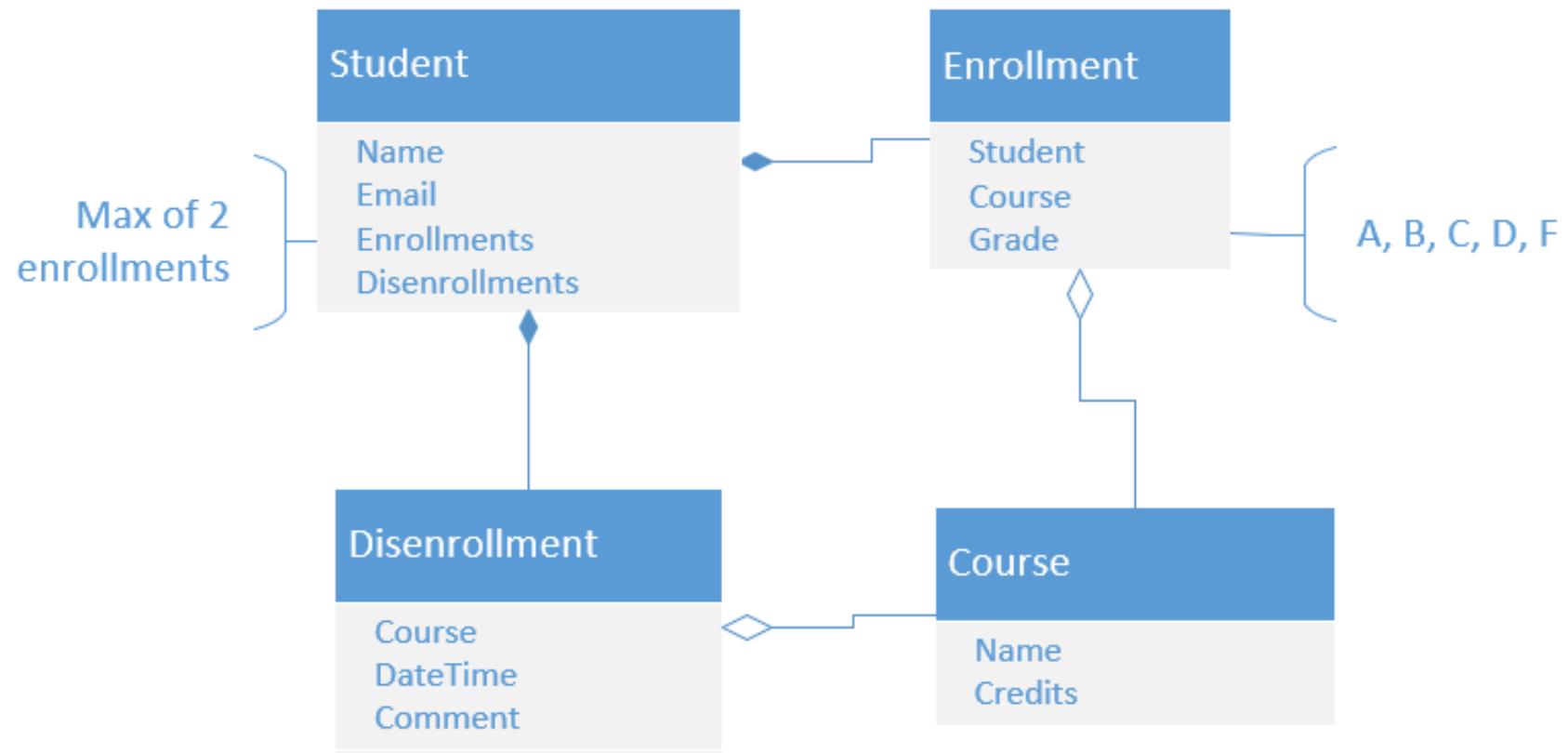
Problem Domain Introduction
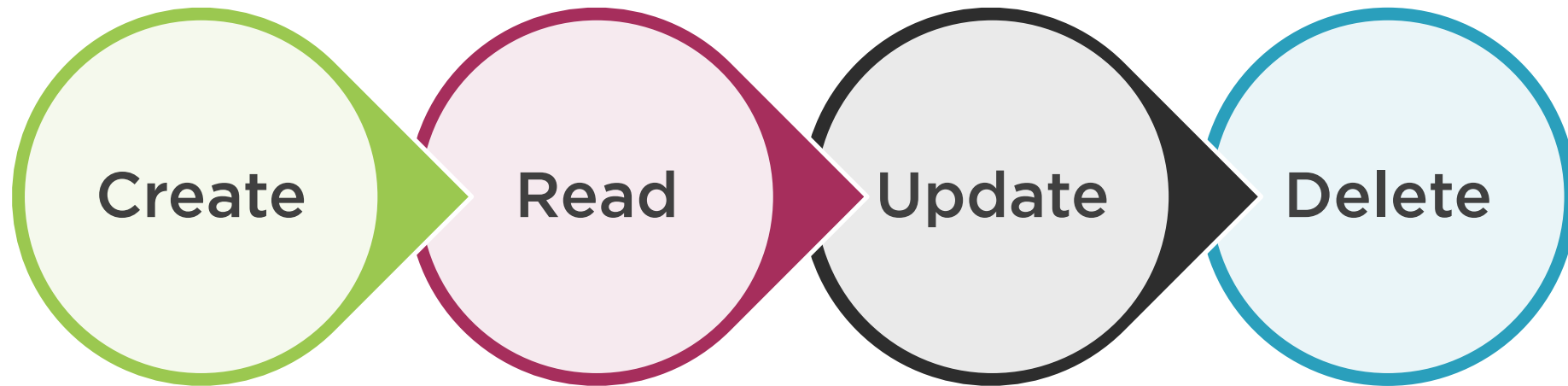
Student management system

Problem Domain Introduction

Problem Domain Introduction

Create **Read** **Update** Delete

Application Code Introduction

http://bit.ly/cqrs-code

Application Code Drawbacks

Is there anything wrong with this code base?

Application Code Drawbacks

Application Code Drawbacks

DDD

CQRS

Help tackle complexity

Application Code Drawbacks

Create → Read → Update → Delete
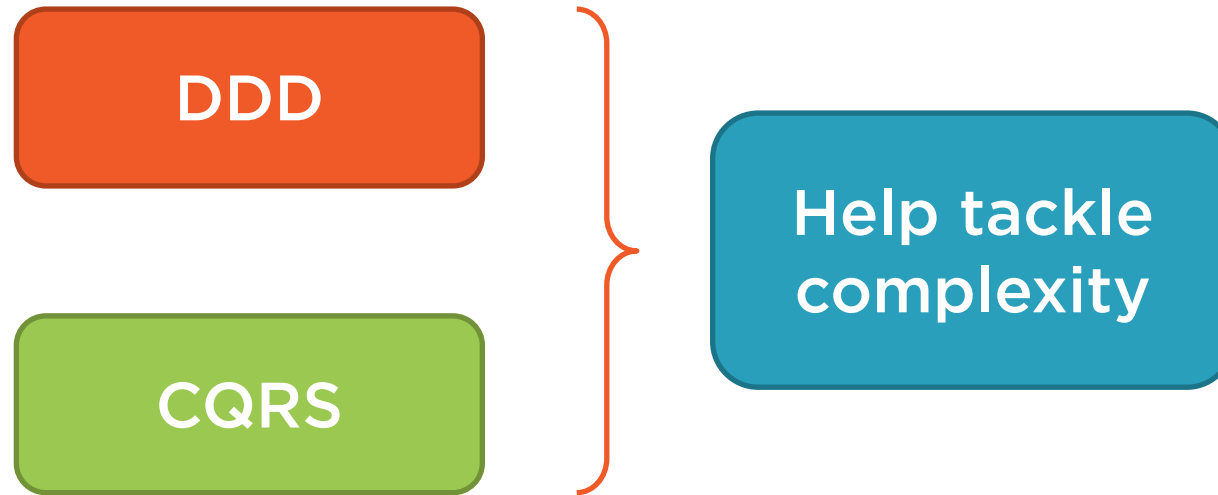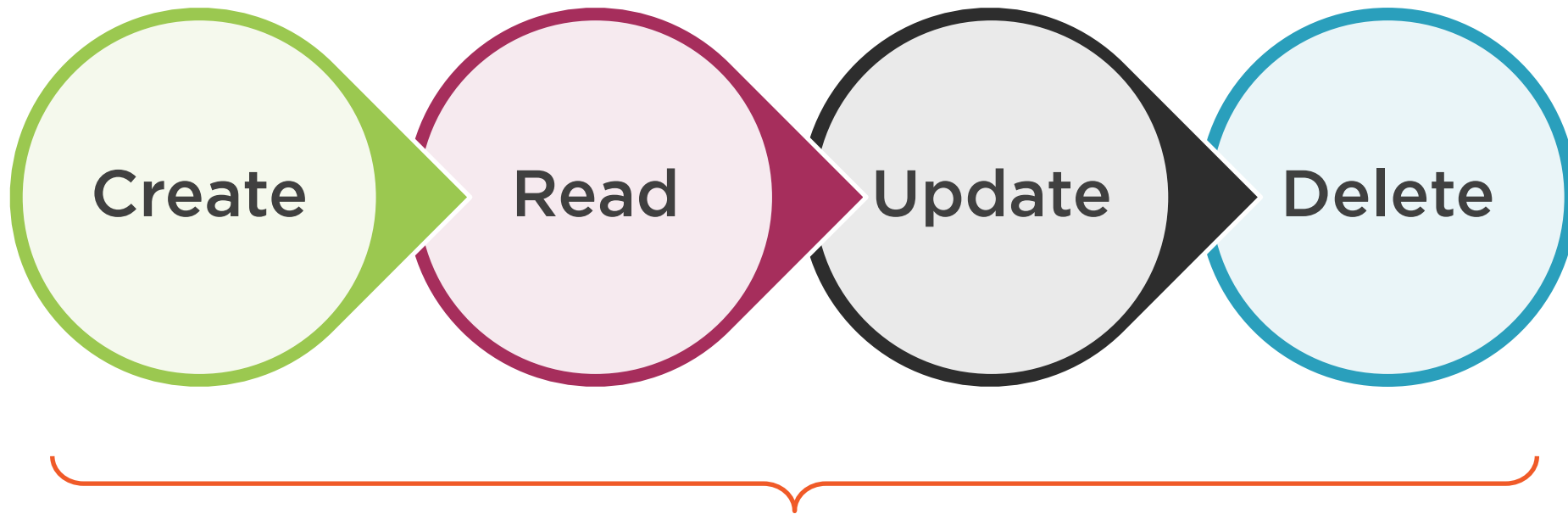
CRUD-based thinking

❌ 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