

OVERVIEW

- **Participants will understand:**
 - Why DDD is an effective tool for designing evolutionary architectures.
 - The basic concepts of DDD (DDD 101).
 - The importance of the Ubiquitous Language.
 - How DDD can effectively be combined with multiple technical architectures.

OVERVIEW

- **Participants will be able to:**
 - Leverage Event Storming to arrive at a candidate domain model.
 - Translate an Event Storm into User Stories.
 - Effectively apply DDD patterns to design modules that can be evolved into event-driven microservices.
 - Effectively leverage Hexagonal Architecture to implement modules that can be evolved into event-driven microservices.

DAY ONE

- **Class Introduction**
(10 minutes)
- **Why do we need DDD?**
(15 minutes)
- **What is the Ubiquitous Language and why is it so important?**
(15 minutes)
- **Open Q&A and Class Discussion**
(10 minutes)
- **Break**
(10 minutes)

DAY ONE

- **DDD 101: Strategic Design**
(25 minutes)
- **Open Q&A and Class Discussion**
(10 minutes)
- **DDD 101: Tactical Design**
(25 minutes)
- **Open Q&A and Class Discussion**
(10 minutes)
- **Overview of Event Storming**
(15 minutes)

DAY ONE

- **Break**
(10 minutes)
- **Intro to the Pizza Shop Domain**
(10 minutes)
- **Open Q&A and Class Discussion**
(10 minutes)
- **Pizza Shop Event Storming Exercise**
(20 minutes)
- **Pizza Shop Event Storming Solution**
(15 minutes)

DAY ONE

- **Event Storming → DDD / User Stories / TDD**
(20 minutes)
- **Day One AMA**
(10 minutes)

DAY TWO

- **Day One Recap**
(10 minutes)
- **DDD and Technical Architectures**
(25 minutes)
- **Overview of the Pizza Shop Coding Exercise Environment**
(10 minutes)
- **Lab 1: TDD Aggregate Root: Commands with Business Logic and Invariants**
(25 minutes)
- **Lab 2: TDD Aggregate Root: Publish Domain Events**
(25 minutes)

DAY TWO

- **Lab 3: TDD Repository: Create Repositories and Add Domain Events**
(25 minutes)
- **Lab 4: TDD Repository: Rehydrate Aggregates by Reference**
(25 minutes)
- **Lab 5: TDD Policy: Subscribe to Event within Aggregate / Create CQRS View**
(25 minutes)
- **Lab 6: TDD Application Service: Expose Business Interface and Transactions**
(25 minutes)
- **Lab 7: TDD Policy: Subscribe to Event from Adjacent Aggregate / Update State**
(25 minutes)

DAY TWO

- **Day Two AMA**
(10 minutes)
- **Conclusion**