



and more. This book will enable you to implement Domain Specific Languages (DSL) efficiently, together with their IDE tooling, with Xtext and Xtend. Opening with brief coverage of Xtext features involved in DSL implementation, including integration in an IDE, the book will then introduce you to Xtend as this language will be used in all the examples throughout the book. You will then explore the typical programming development workflow with Xtext when we modify the grammar of the DSL. Further, the Xtend programming language (a fully-featured Java-like language tightly integrated with Java) will be introduced. We then explain the main concepts of Xtext, such as validation, code generation, and customizations of runtime and UI aspects. You will have learned how to test a DSL implemented in Xtext with JUnit and will progress to advanced concepts such as type checking and scoping. You will then integrate the typical Continuous Integration systems built in to Xtext DSLs and familiarize yourself with Xbase. By the end of the book, you will manually maintain the EMF model for an Xtext DSL and will see how an Xtext DSL can also be used in IntelliJ. Style and approach A step-by-step tutorial with illustrative examples that will let you master using Xtext and implementing DSLs with its custom language. Xtend.

Eternal life. Eternal battle. Steve—Diomedes Tydides to his Trojan War buddies—just had a bad day on his charter fishing boat in San Diego, but when the goddess Athena calls on her faithful warrior for another secret mission, he 's ready. The bomb that exploded inside the Metropolitan Museum of Art isn ' t the crime American authorities think it is. Someone also stole the Cup of Jamshid, and Diomedes knows its fortune-telling abilities won ' t be used for anything benign. Though Diomedes recovers the Cup from a determined shaman holed up beneath Central Park, when he finds his allies slain and the Cup taken once more, he knows he ' s up against a truly powerful enemy. Over a millennium has passed since Diomedes last contended with Medea of Colchis, deranged wife of Jason the Argonaut, but neither her madness nor her devotion to Hecate, goddess of witchcraft, has waned, and she intends to use the Cup of Jamshid to release across the world a dark brand of chaos unseen in human history. Immortal since the Trojan War, Diomedes must once again fight for mortals he understands less and less, against a divine evil he may never truly defeat.

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