# Unity 2017 Game Development Essentials

Third Edition

Build fully functional 2D and 3D games with realistic environments, sounds, physics, special effects, and more!



# **Unity Game Development Essentials Free Download**

**Will Goldstone** 

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the core concepts of programming in C including variables classes and object oriented programming You will explore the fundamentals of Unity game development including game design lighting basics player movement camera controls and collisions You will write C scripts for simple game mechanics perform procedural programming and add complexity to your games by introducing smart enemies and damage causing projectiles By the end of the book you will have developed the skills to become proficient in C programming and built a playable game prototype with the Unity game engine What you will learnFollow simple steps and examples to create and implement C scripts in UnityDevelop a 3D mindset to build games that come to lifeCreate basic game mechanics such as player controllers and shooting projectiles using C Divide your code into pluggable building blocks using interfaces abstract classes and class extensionsBecome familiar with stacks queues exceptions error handling and other core C concepts Learn how to handle text XML and JSON data to save and load your game dataExplore the basics of AI for games and implement them to control enemy behaviorWho this book is for If you re a developer programmer hobbyist or anyone who wants to get started with Unity and C programming in a fun and engaging manner this book is for you You ll still be able to follow along if you don't have programming experience but knowing the basics will help you get the most out of this book Unity Game Development Scripting Kyle D'Aoust, 2014-12-22 If you are new to Unity scripting and want to learn simple and modular code and advance your knowledge to the next level this is Game Development Essentials II with Unity LiveLessons (Video Training) Mike Geig, 2014 Game the book for you Development Essentials II with Unity LiveLessons is aimed at teaching visual learners how to use this powerful engine to make their own games In Volume II Mike Geig builds on the success of his first LiveLessons to bring more intermediate level topics to the forefront so that developers can get the most out of this powerful game engine Description In this video training Mike Geig covers key 2D and 3D game development concepts beyond the basics and scripting programming concepts for featured game engines Mike covers the latest version of Unity what s new what s changing and what s important The source code repository for this LiveLesson is broken up into multiple files for downloading click on each lesson number to download the assets for that lesson Lesson 1 Lesson 2 Lesson 3 Lesson 4 Lesson 5 Lesson 6 Lesson 7 Lesson 8 About the Instructor Mike Geig is a screencaster at Unity Technologies the makers of the Unity game engine Mike is also the author of Sams Teach Yourself Unity Game Development and the first volume of these LiveLessons Related video Game Development Essentials with Unity 4 LiveLessons Skill Level Intermediate Advanced What You Will Learn A foundation in game development Key 2D and 3D game development concepts beyond the basics Scripting programming concepts for featured game engines New and cutting edge features of the Unity game engine Who Should Take This Course Game developers looking to get the most out of Unity the powerful game engine to develop cutting edge 2D and 3D games both mobile and desktop Course Requirements Should be familiar with the concepts of programming The specific language should not be too important Users should be familiar with the basics usage of software on their chosen operating system Should be familiar

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game engine Resource description page Unity 2D Game Development Cookbook Claudio Scolastici, 2015-02-18 This book is intended for both professionals game developers and hobbist who are interested in making games with Unity Users are expected to have knowledge of basics fundamentals of unity 2D game development and should have a working knowledge of **Unity 3D and PlayMaker Essentials** Jere Miles, 2016-11-25 In introducing new students to video game development there are two crucial components to consider design and implementation Unity 3D and PlayMaker Essentials Game Development from Concept to Publishing provides theoretical background on topics such as characters stories level design interface design audio game mechanics and tools and skills needed Each chapter focuses on a specific topic with topics building upon each other so that by the end of the book you will have looked into all the subjects relevant to creating your own game The book transitions from discussion to demonstrations of how to implement techniques and concepts into practice by using Unity3D and PlayMaker Download boxes are included throughout the book where you can get the version of the game project under discussion or other content to add to the project as well as any supplementary video tutorials that have been developed Addressing both theoretical and practical aspects Unity 3D and PlayMaker Essentials enables you to understand how to create a game by having you make a game By gradually completing your own design document through the course of the book you will become familiar with core design principles while learning the practical skills needed to bring your unique game to life Unity C# Scripting Raja Biswas, 2019 Learn C Scripting for Unity Game Development from Absolute Basics and create your own 3D 2D Games with Unity using C About This Video Gain a strong understanding of C and basic programming concepts Build example games with Unity Learn complex concepts through a simple approach even without previous coding experience In Detail Unity is free easy to learn has excellent documentation and is the game engine used for building modern games Moreover the career opportunities in Unity game development are countless and being able to learn C scripting along with it will further build on your skills Get off to a steady start in game development with this course that covers all the essential concepts tools and functions that you ll need to build fully functional games with C and the Unity game engine Starting with the installation of Visual Studio this course will then take you through different C language features and how to use them You ll focus on the fundamentals of the Unity API along with important object oriented programming concepts The course will also equip you with the knowledge you need to create reusable C scripts Later you ll understand all about version control with GitHub Bitbucket and SourceTree In addition to this you ll be able to implement basic artificial intelligence AI features in Unity By the end of this course you ll be well versed with C scripting in Unity and have developed the skills you need to create intuitive 3D and 2D games Downloading the example code for this course You can download the example code files for this course on GitHub at the following link https github com PacktPublishing Unity C Scripting Complete C For Unity Game Development If you require support please email customercare packt com

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