

### Access the End-User Help Files

The Unity Client includes help files for end-users. These can be referenced at any time in the Unity Client either by pressing the **F1** button on your keyboard, or by clicking the **Help** button:



The help files are opened in a separate window.

### Set Your Home Page

The **Home** button takes you to your configured **Home Page**.



To set a layout to be your Home Page, navigate to the desired layout and select **Make this layout my Home Page** from the Home button drop-down menu.

To reset your Home Page to the default, select **Reset Home Page** from the Home button drop-down menu.

### Add Favorites

You can add the currently displayed layout to your list of favorites by performing the following steps:

1. Click the **Favorites** button:



2. Click **Add this layout to my favorites**.

The favorite can be accessed by clicking the Favorites button again and selecting the favorite from the list.

### Use the Personal Page

Many OnBase items and layouts can be added to your Personal Page as tiles. Tiles serve as easy access points to the files, items, and interfaces of your choice.

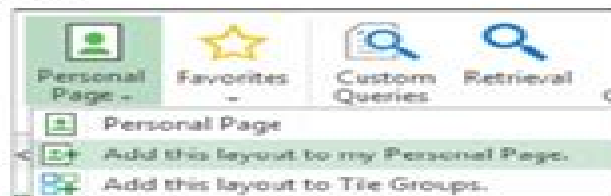
The Personal Page can be opened by clicking the **Personal Page** ribbon button:



### Use the Personal Page (Continued)

To add an item or layout to the Personal Page, right-click the object and select **Add To Personal Page**. If the right-click option is unavailable, the Personal Page option may be included under the **Send To** functions or, as is the case with Custom Query results, as a special menu option to **Add to Personal Page**.

When adding an entire layout to your Personal Page, select **Personal Page | Add this layout to my Personal Page** from the ribbon menu.



### Document Retrieval

You can retrieve documents in the Unity Client based on the document's keyword values, the text contained within the document, or the note information contained on a document. The following example describes how to retrieve documents based on their keyword values.

#### To access Document Retrieval:

1. In the Documents ribbon group on the **Home** tab, click **Retrieval**.



2. In the Document Retrieval pane, select a **Document Type Group**.  
Select a **Document Type**.

**Note:** The information contained in the panel may dynamically change based on the Document Type Group or Document Type you selected.

3. If desired, you can specify a date range to only return documents that were created or imported between a certain range of dates.
4. A list of keyword fields displays below the date range.

Enter values for the keywords that are displayed. You can enter as much or as little information you know.

**Note:** Some searches require you to enter at least one keyword value. Search requirements are determined by your system administrator.

5. When you have entered all search criteria, click the **Find** button at the bottom of the panel.

# Unity Programmer Guide Onbase

**Penny De Byl**



## Unity Programmer Guide Onbase:

Energy Research Abstracts ,1988      Unity Certified Programmer: Exam Guide Philip Walker,2020-06-30 A practical guide to Unity game scripting using C backed with practice tests exam tips and easy to follow examples to help you better prepare for the exam and become a pro in Unity programming Key FeaturesDiscover the essentials of game scripting with Unity and C to customize every aspect of your gameOvercome challenges in Unity game development using effective techniques and easy solutionsPass the Unity certification exam with the help of mock tests exam tips and self assessment questionsBook Description Unity Certified Programmer is a global certification program by Unity for anyone looking to become a professional Unity developer The official Unity programmer exam will not only validate your Unity knowledge and skills but also enable you to be part of the Unity community This study guide will start by building on your understanding of C programming and take you through the process of downloading and installing Unity You ll understand how Unity works and get to grips with the core objectives of the Unity exam As you advance you ll enhance your skills by creating an enjoyable side scrolling shooter game that can be played within the Unity Editor or any recent Android mobile device This Unity book will test your knowledge with self assessment questions and help you take your skills to an advanced level by working with Unity tools such as the Animator Particle Effects Lighting UI UX Scriptable Objects and debugging By the end of this book you ll have developed a solid understanding of the different tools in Unity and understand how to create impressive Unity applications by making the most of its toolset What you will learnDiscover techniques for writing modular readable and reusable scripts in UnityImplement and configure objects physics controls and movements for your game projectsUnderstand 2D and 3D animation and write scripts that interact with Unity s Rendering APIExplore Unity APIs for adding lighting materials and texture to your appsWrite Unity scripts for building interfaces for menu systems UI navigation application settings and much moreDelve into SOLID principles for writing clean and maintainable Unity applicationsWho this book is for The book is for game developers software developers mobile app developers and Unity developers who want to advance in the game or related industry Basic knowledge of C programming and Unity engine is required      *Unity Certified Programmer Exam Guide* Philip Walker,2022-05-02 A practical illustrated guide to Unity game scripting using C along with practice tests exam tips and easy to follow examples to help you pass the exam and become a professional Unity programmer Key Features Learn essentials of game scripting with Unity and C to customize aspects of your game Tackle challenges in Unity game development and the certification exam using effective techniques and solutions Prepare for the latest Unity certification exam using mock tests exam tips and self assessment questions Book DescriptionUnity Certified Programmer is a global certification program by Unity for anyone looking to become a professional Unity developer The official Unity programmer exam will not only validate your Unity knowledge and skills but will also enable you to be a part of the Unity community This study guide will start by building on your understanding of C programming and taking you through the

process of downloading and installing Unity You ll understand how Unity works and get to grips with the Unity exam s core objectives As you advance you ll enhance your skills by creating an enjoyable side scrolling shooter game that can be played within the Unity Editor or any modern Android mobile device This Unity book will test your knowledge with self assessment questions and help you take your skills to an advanced level by working with Unity tools such as the animator particle effects lighting UI UX scriptable objects and debugging By the end of this book you ll have developed a solid understanding of the different tools in Unity and be able to create impressive Unity applications by making the most of its toolset What you will learn Discover techniques for writing modular readable and reusable scripts in Unity Implement and configure objects physics controls and movements for your game projects Understand 2D and 3D animation and write scripts to interact and use Unity s rendering API Explore Unity APIs for adding lighting materials and textures to your apps Write Unity scripts for building interfaces for menu systems UI navigation application settings and much more Focus on SOLID principles for writing clean and maintainable Unity applications Who this book is for This Unity engine book is for game developers software developers mobile app developers and Unity developers who want to advance in their career and gain gaming industry certification The book assumes basic knowledge of C programming and the Unity engine

**Unity Certified Programmer** Philip Walker,2020 A practical guide to Unity game scripting using C backed with practice tests exam tips and easy to follow examples to help you better prepare for the exam and become a pro in Unity programming Key Features Discover the essentials of game scripting with Unity and C to customize every aspect of your game Overcome challenges in Unity game development using effective techniques and easy solutions Pass the Unity certification exam with the help of mock tests exam tips and self assessment questions Book Description Unity Certified Programmer is a global certification program by Unity for anyone looking to become a professional Unity developer The official Unity programmer exam will not only validate your Unity knowledge and skills but also enable you to be part of the Unity community This study guide will start by building on your understanding of C programming and take you through the process of downloading and installing Unity You ll understand how Unity works and get to grips with the core objectives of the Unity exam As you advance you ll enhance your skills by creating an enjoyable side scrolling shooter game that can be played within the Unity Editor or any recent Android mobile device This Unity book will test your knowledge with self assessment questions and help you take your skills to an advanced level by working with Unity tools such as the Animator Particle Effects Lighting UI UX Scriptable Objects and debugging By the end of this book you ll have developed a solid understanding of the different tools in Unity and understand how to create impressive Unity applications by making the most of its toolset What you will learn Discover techniques for writing modular readable and reusable scripts in Unity Implement and configure objects physics controls and movements for your game projects Understand 2D and 3D animation and write scripts that interact with Unity s Rendering API Explore Unity APIs for adding lighting materials and texture to your apps Write Unity scripts for building interfaces for

menu systems UI navigation application settings and much more Delve into SOLID principles for writing clean and maintainable Unity applications Who this book is for The book is for game developers software developers mobile app developers and Unity developers who want to advance in the game or related industry Basic knowledge of C programming and Unity engine is required *Holistic Game Development with Unity* Penny De Byl,2012 The art of programming mechanics Real world mechanics Animation mechanics Game rules and mechanics Character mechanics Player mechanics Environmental mechanics Mechanics for external forces

**Unity 4.x Game Development by Example Beginner's Guide** Ryan Henson Creighton,2013-12-26 This is a practical and light hearted guide to get to grips with creating your first games with easy to follow step by step tutorials using the award winning Unity engine If you've ever wanted to enter the world of independent game development but have no prior knowledge of programming or game development then this is the book for you Game developers transitioning from other tools like GameMaker and Flash will find this a useful tool to get them up to speed on the Unity engine as will anyone who has never handled the Unity engine before

**Unity 5. X Game Development Blueprints** John P. Doran,2016-05-25 A project based guide to help you create amazing games with Unity 5 xAbout This Book Unleash the power of C coding in Unity and the state of the art Unity rendering engine Through this unique project based approach you will create 7 8 action packed games from scratch This assortment of games will take you on a fun filled journey of becoming a full fledged Unity game developer Who This Book Is ForThis book is best suited for C developers who have some basic knowledge of the Unity Game development platform If you are looking to create exciting and interactive games with Unity and get a practical understanding of how to leverage key Unity features and then optimize the Unity rendering engine then this book is your one stop solution What You Will Learn Find out how to create exciting and interactive games using GUIs Prepare animations to be imported and exported Personalize your animation game with Unity's advanced animation system Work with different animation assets and components Customize the game by modifying the player properties and creating exterior environments Create visualize and edit animated creatures Familiarize yourself with best practices for Unity 5 x animation using iTween Design character actions and expressions Customize your game and prepare it for playIn DetailThis book will help you to create exciting and interactive games from scratch with the Unity game development platform We will build 7 8 action packed games of different difficulty levels and we'll show you how to leverage the intuitive workflow tools and state of the art Unity rendering engine to build and deploy mobile desktop as well as console games Through this book you'll develop a complete skillset with the Unity toolset Using the powerful C language we'll create game specific characters and game environments Each project will focus on key Unity features as well as game strategy development This book is the ideal guide to help your transition from an application developer to a full fledged Unity game developerStyle and approach A step by step approach to develop a strong Unity skillset by creating a few action packed games from scratch

**Learning 2D Game Development with Unity** Matthew Johnson,James A. Henley,2014-12-12 The

Unity Engine Tutorial for Any Game Creator Unity is now the world's #1 game engine thanks to its affordability, continuous improvements, and amazing global community. With Unity, you can design, code, and author your game once and then deploy it to multiple platforms, reaching huge audiences and earning maximum returns. Learning 2D Game Development with Unity will help you master Unity and build powerful skills for success in today's game industry. It also includes a bonus rundown of the new GUI tools introduced in Unity's version 4.6 beta. With this indispensable guide, you'll gain a solid practical understanding of the Unity engine as you build a complete 2D platform style game, hands-on. The step-by-step project will get you started fast, whether you're moving to Unity from other engines or are new to game development. This tutorial covers the entire development process from initial concept plans and designs to the final steps of building and deploying your game. It illuminates Unity's newly integrated 2D toolset, covering sprites, 2D physics, game scripts, audio, and animations. Throughout, it focuses on the simplest and lowest cost approaches to game development, relying on free software and assets. Everything you'll need is provided. Register your book at [informit.com](http://informit.com) title 9780321957726 to access assets, code listings, and video tutorials on the companion website. Learn how to set up your Unity development environment and navigate its tools. Create and import assets and packages you can add to your game. Set up game sprites and create atlas sheets using the new Unity 2D tools. Animate sprites using keyframes, animation controllers, and scripting. Build a 2D game world from beginning to end. Establish player control. Construct movements that feel right. Set up player physics and colliders. Create and apply classic gameplay systems. Implement hazards and tune difficulty. Apply audio and particle effects to the game. Create intuitive game menus and interface elements. Debug code and provide smooth error handling. Organize game resources and optimize game performance. Publish your game to the web for others to see and play.

### **Unity From Zero to Proficiency (Foundations)**

Patrick Felicia, 2017-11-01 Newly Edited and Updated Version Fourth Edition for Unity 2019 Get started with Unity and game programming fast without the headaches. Unity is a great software to create video games, however, it includes so many options and features that getting started can feel overwhelming. Without my book, most people spend too long trying to learn how to use Unity the hard way. This book is the only one that will get you to learn Unity fast without wasting so much time. This book is the first book in the series Unity from Zero to Proficiency where you will learn to code fast and be able to create your own video games with Unity in no time. What you will learn After completing this book, you will be able to know and master the features that you need to create 2D and 3D environments for your games. Quickly create and navigate through realistic 3D indoors and outdoors environments. Create a 3D Maze with lights, walls, and textures. Use ProBuilder to create a house. Create an island with trees, sandy beaches, mountains, and water. Include and control a car and a plane. Create a 2D platform game with no scripting needed. Export your games to the web. Who this book is for This book is for Hobbyists who need a book that gets them started with Unity and game development easily. Parents looking for a book that introduces their children to game programming painlessly. Teachers looking for a complete and clear resource on programming through the creation of games.

Aspiring indie game developers How this book is different This is the only book that you need to get started with Unity fast and to enjoy the journey without the frustration This book includes six chapters that painlessly guide you through the necessary skills to master Unity's interface use its core features and create and navigate through realistic 2D and 3D environments It assumes no prior knowledge on your part and ensures that you have all the information and explanations that you need every step of the way What this book offers This book includes all the features that you need to get started with Unity and game development Learn without the headaches This book assumes that you can't be expected to learn everything at once this is why you will build all your skills incrementally In addition if you are more of a visual learner you will gain access to a FREE video training that covers all the topics and features introduced in the book so that you can see how it is done Make your dream of creating your own games come true This book ensures that you stay motivated by giving you the right amount of information and challenge in each chapter we all know that it's hard to keep motivated when learning a new skill so this book always contextualizes the knowledge with an example so that you feel it's relevant and also makes sure that you get to challenge yourself if you need to with optional challenges present at the end of each chapter Progress and feel confident in your skills You will have the opportunity to learn and to use Unity at your own pace and to become comfortable with its interface This is because every single new concept introduced will be explained in great detail so that you never feel lost All the concepts are introduced progressively so that you don't feel overwhelmed Create your own games and feel awesome With this book you will build your own 2D and 3D environments and you will spend more time creating than reading to ensure that you can apply the concepts covered in each section All chapters include step by step instructions with examples that you can use straight away If you want to get started with Unity today then buy this book now **C# in Unity** Moaml Mohmmmed, 2019-10-17 C in Unity Programming C in Unity Engine a guide book for beginners Explain programming concepts simple explanation Many examples Summaries When I first started looking into iOS game development Xcode before SpriteKit made game development look very challenging Unity on the other hand had a powerful visual editor and was also capable of publishing to mobile Looking further its asset store and fantastic developer community made Unity a very compelling option indeed Today it is able to boast more games being made with Unity than any other game technology And with support for almost 30 platforms including mobile VR desktop and console it's no longer a great place to start but the perfect place to start The role of the Game Designer is how the game works correctly during its design process It sets goals rules and procedures sets the story and gives life and is also responsible for planning everything that makes the game acceptable Level Design Whether it is based on architecture or sketching on blueprint it also coordinates the story the overall scenario of the game Anyone who has dreamed of a distinguished Hollywood job can now do what he wants by writing the story script and releasing it completely The previous disciplines are now fully divided each person responsible for one of them but the successful game developer must be familiar with the details of each specialty Door Learn something about

everything but what are things needed to become a game designer What talents and abilities are required What is the best way to design a game This is all we will discover through this book

**UNITY GAME PROGRAMMING**, 2020 **Unity**

**Android Game Development by Example Beginner's Guide** Thomas Finnegan, 2013-12-20 Unity Android Game Development by Example Beginner's Guide consists of different game application examples No prior experience with programming Android or Unity is required You will learn everything from scratch and will have an organized flow of information specifically designed for complete beginners to Unity Great for developers new to Unity Android or both this book will walk you through everything you need to know about game development for the Android mobile platform No experience with programming Android or Unity is required Most of the assets used in each chapter project are provided with the book but it is assumed that you have some access to basic image and model creation software You will also need access to an Android powered device

**Mastering Unity** Sufyan Bin Uzayr, 2022 Mastering Unity A Beginner's Guide introduces developers of all ages to the beautiful and valuable world of Unity Unity is a popular cross platform game engine It was initially unveiled and distributed as a Mac OS X exclusive game engine in June 2005 at Apple Inc's Worldwide Developers Conference Unity is used to produce nearly 50% of all games in the world Its real time platform driven by tools and services provides fantastic opportunities for game developers and innovators across sectors and applications Mastering Unity covers the creation of both three dimensional 3D and two dimensional 2D games as well as interactive simulations and other experiences Since Unity is an engine used in sectors other than video games including film automotive architectural engineering manufacturing and is even used by the armed forces Mastering Unity focuses on a broader usage for Unity This book starts with the setup and installation of Unity which is followed by additional info related to its usage Mastering Unity covers such topics as scene management debugging 2D and 3D physics and Unity Hub setup Considering that C is often the primary programming language used in Unity this book covers object oriented principles as well as C coding at great length That said you can use any other language in Unity including JavaScript Rust or Mono For the most part Mastering Unity strives to be programming language neutral to help you fully understand the Unity concepts If you are an absolute beginner Mastering Unity will help you understand the basics about Unity its features technical requirements architecture and the scripting language used in Unity This book also focuses on setting up Unity which encompasses installation project creation and launches of a project scene Mastering Unity also addresses dealing with scenes and game objects prefabs storing scenes animations in Unity and performance optimization Mastering Unity will also help you learn how to test and release a game in Unity to various platforms Learn more about our other Mastering titles at <https://www.routledge.com> Mastering Computer Science book series MCS

**Game Programming** Albertha Latu, 2021-07-15 Unity is a cross platform development platform initially created for developing games but is now used for a wide range of things such as architecture art children's apps information management education entertainment marketing medical military physical installations simulations training



and many more Almost half of all games are created using the Unity game engine Unity is great for both new and experienced game developers This book will discuss the major foundations of scripting with C in Unity and apply what we ve learned into a mini project You will learn about the core fundamentals that are used when scripting in Unity such as creating and manipulating variables understanding the different types of operators and how we can create instructions for our game objects using functions

**Game Programming with Unity and C#** Casey Hardman,2020-06-13 Designed for beginners with no knowledge or experience in game development or programming this book teaches the essentials of the Unity game engine the C programming language and the art of object oriented programming New concepts are not only explained but thoroughly demonstrated Starting with an introduction to Unity you ll learn about scenes GameObjects prefabs components and how to use the various windows to interact with the engine You ll then dive into the fundamentals of programming by reviewing syntax rules formatting methods variables objects and types classes and inheritance all while getting your hands dirty writing and testing code yourself Later the book explains how to expose script data in the Inspector and the basics of Unity s serialization system This carefully crafted work guides you through the planning and development of bare bones simple game projects designed to exercise programming concepts while keeping less relevant interruptions out of the way allowing you to focus on the implementation of game mechanics first and foremost Through these example projects the book teaches input handling rigidbodies colliders cameras prefab instantiation scene loading user interface design and coding and more By the end you ll have built a solid foundation in programming that will pave your way forward in understanding core C syntax and fundamentals of object oriented programming not just what to type but why it s typed and what it s really doing Game Programming with Unity and C will send you on your way to becoming comfortable with the Unity game engine and its documentation and how to independently seek further information on yet untouched concepts and challenges What You ll Learn Understand the fundamentals of object oriented computer programming including topics specifically relevant for games Leverage beginner to intermediate level skills of the C programming language and its syntax Review all major component types of the Unity game engine colliders and rigidbodies lights cameras scripts etc Use essential knowledge of the Unity game engine and its features to balance gameplay mechanics for making interesting experiences Who This Book Is For Beginners who have no prior experience in programming or game development who would like to learn with a solid foundation that prepares them to further develop their skills

**Unity 2020 By Example** Robert Wells,2020-09-30 Learn Unity game development with C through a series of practical projects ranging from building a simple 2D game to adding AR VR experiences and machine learning capabilities in a simple yet effective way Key Features Gain a high level overview of the Unity game engine while building your own games portfolio Discover best practices for implementing game animation game physics shaders and effects Create fully featured apps including Space shooter and a 2D adventure game and develop AR VR experiences and Game AI agents Book DescriptionThe Unity game engine used by millions of developers around the

world is popular thanks to its features that enable you to create games and 3D apps for desktop and mobile platforms in no time With Unity 2020 this state of the art game engine introduces enhancements in Unity tooling editor and workflow among many other additions The third edition of this Unity book is updated to the new features in Unity 2020 and modern game development practices Once you've quickly got to grips with the fundamentals of Unity game development you'll create a collection a twin stick shooter and a 2D adventure game You'll then explore advanced topics such as machine learning virtual reality and augmented reality by building complete projects using the latest game tool kit As you implement concepts in practice this book will ensure that you come away with a clear understanding of Unity game development By the end of the book you'll have a firm foundation in Unity development using C# which can be applied to other engines and programming languages You'll also be able to create several real world projects to add to your professional game development portfolio What you will learn Learn the fundamentals of game development including GameObjects components and scenes Develop a variety of games in C# and explore the brand new sprite shaping tool for Unity 3D and 2D games Handle player controls and input functionality for your Unity games Implement AI techniques such as pathfinding finite state machines and machine learning using Unity ML Agents Create virtual and augmented reality games using UnityVR and AR Foundation Explore the cutting edge features of Unity 2020 and how they can be used to improve your games Who this book is for If you are a game developer or programmer new to Unity and want to get up and running with the game engine in a hands on way this book is for you Unity developers looking to work on practical projects to explore new features in Unity 2020 will find this book useful A basic understanding of C# programming is required [The Ultimate Guide to 2D games with Unity](#) Patrick

Feliia, 2020-07-31 Get started with 2D Games and Unity without the headaches Without my book most people spend too long trying to create 2D games and learn C# with Unity the hard way This book is the only one that will get you to learn Unity fast without wasting so much time It includes 15 chapters that painlessly teach you the necessary skills to master C# with Unity and to create 2D interactive games What you will learn After completing this book you will be able to Code in C# Understand and apply C# concepts Create 2D games Create a wide range of 2D games including a 2D platformer a shooter a word guessing game a memory game a card game and a puzzle Create and use C# variables and methods for your game Include intelligent NPCs that chase the player Manage collisions key inputs and colliders Create an update a user interface Load new scenes from the code based on events in your games Content and structure of this book The content of each chapter is as follows Chapters 1 2 3 4 and 5 will show you how to create a platformer game with most of the features that you usually find in this genre Chapters 6 7 8 9 and 10 will show you how to create a shooter game with a moving space ship controlled by the player a scrolling background missiles moving asteroids and much more Chapter 11 will show you how to create a word guessing game where the player needs to guess a word picked at random Chapter 12 will show you how to create a memory game based on the famous Simon Game Chapter 13 will show you how to create a card guessing game where the player

needs to memorize the location of cards on a board and to also match identical cards in order to win Chapter 14 will show you how to create a puzzle where the player has to move and combine puzzle pieces to complete the puzzle If you want to start coding in C and create your own 2D games with Unity using a tried and tested method download this book now **A Quick Guide to c# with Unity** Patrick Felicia,2017-08-02 Why this book can help you to get started fast with C in Unity It can be intimidating to start with Unity and while several books can provide comprehensive information you may like many other readers just want to focus on a particular topic and get started fast This book is part of a series entitled Quick Guides and does just this In this book series you have the opportunity to get started on a particular topic in less than 60 minutes delving right into the information that you really need Of course you can after reading this book move on to more comprehensive books however quite often you may have little time to complete a project or to get comfortable with a topic fast In this book entitled A Quick Guide to C in Unity you will discover how to program in C and you will learn most of the foundation blocks that you need to get started with C e g variables methods events or Object Oriented concepts using a hands on approach where you learn and practice as you go By following the techniques and suggestions described in this short book I can promise you that you will get started very fast and create your own C scripts Along the way you will also learn about best coding practices as well as common errors and how to avoid them easily Content and structure of this book In this book you will learn about using C with Unity including Object Oriented Principles e g classes variable scope events constructors etc Variables conditional statements loops and other useful structures Common C methods used in Unity and their uses The work flow involved in creating and running a script in Unity The main idea behind this book is to help you to get started quickly with C So if you want to start coding in C with Unity download this book now [Unity from Zero to Proficiency \(Beginner\)](#) Patrick Felicia,2019-02-13 Second Edition updated for Unity 2017 Published in February 2018 Why this book can help you to get started with Game Development Creating your own game can be very intimidating at the start and quite often regardless of your experience with games it is sometimes difficult to find the time and motivation to get over the first barriers and to get started Often these barriers seem higher than they actually are Maybe you are a teacher trying to introduce games in your classroom or a parent trying to help your child with coding but with no previous coding or game development experience maybe you are a hobbyist who would love to create interactive environments based on your favorite games maybe you are a student getting started with game development but you just don t know where to start or what resources to use or maybe you have tried online video tutorials but found them disjointed You may be wondering How can I start to create my games if I have no experience of coding or this game engine is so complex that I just don t know where to get started This is quite common and you can easily overcome these issues with a step by step approach that gets you to progressively develop and use your skills This is the approach that I have used successfully over the past years to take students from no knowledge of coding or game development to good levels of proficiency in Unity and coding Of course it

takes some time and dedication however by following the techniques and suggestions described in this book I can promise you that you will progress regardless of your background and become more comfortable with Unity and coding

**Content and structure of this book**

In this book the second book in the series you will become comfortable with scripting in Unity by creating a simple survival game

The book includes

- A list of the learning objectives at the start of each chapter
- Step by step activities
- Opportunities to engage in deeper learning and problem solving skills through challenges at the end of each chapter
- Quizzes to test your knowledge
- Full project and code solutions in JavaScript and C for each chapter
- Cheat sheets i e shortcuts best practice etc that you can download

The content of each chapter is as follows

**Chapter 1** gives an introduction to JavaScript and to core principles that will help you to get started with coding

You will learn key programming concepts such as variables variable types or functions

**Chapter 2** helps you to code your first script

You will learn how to code following best coding practices debug your code and also avoid common errors

**Chapter 3** gets you to improve your scripting skills enhance your game and add more interaction

You will learn to implement a scoring system to detect collisions and to load new levels

**Chapter 4** explains how you can create and update a user interface for your game e g displaying images and messages onscreen using scripting

**Chapter 5** explains how you can polish up your game

You will add a splash screen a simple inventory system sound effects as well as a mini map

**Chapter 6** explains how to add Non Player Characters NPCs with Artificial Intelligence AI

You will configure each NPC and get them to either follow the player or walk along a simple path of your choice and also detect collision with them

**Chapter 7** provides answers to Frequently Asked Questions FAQs e g scripting audio AI or user interface

If you want to start scripting with Unity using a tried and tested method download this book now

**Unity 5** Chris Dickinson,Greg Lukosek,John P. Doran,2017-07-14

Explore every nook and cranny of Unity 5 to turn your imaginations into reality

About This Book

Demystify the C programming language in Unity 5 x

Unleash the power of Unity to create a wide variety of projects in numerous genres and formats

Master the art of optimization for Unity 5 x

applications with tips and techniques that will further enhance your game

Who This Book Is For

Beginner level Unity developers who do not have much programming experience

What You Will Learn

Master the art of applying C in Unity

Get to know about techniques to turn your game idea into working project

Use loops and collections efficiently in Unity to reduce the amount of code

Create and code a good looking functional UI system for your game

Find out how to create exciting and interactive games using GUIs

Work with different animation assets and components to enhance your game further

Personalize your game by learning how to use Unity s advanced animation system

Create visualize and edit animated creatures to add to your already amazing game

Familiarize yourself with the tools and practices of game development

Discover how to create the Game Manager class to generate game levels and develop UI for the game

Use the Unity Profiler to find bottlenecks anywhere in your application and discover how to resolve them

Implement best practices for C scripting to avoid common mistakes

In Detail

Unity is a cross platform game engine that is used to develop 2D and 3D video games

Unity 5 is the latest version and adds a real time global illumination to the games and its powerful new features help to improve a game's efficiency. If you love games and want to learn how to make them but have no idea where to begin then this course is built just for you. This learning path is divided into three modules which will take you in this incredible journey of creating games. The course begins with getting you started with programming behaviors in C so that you can create 2D games in Unity. You will begin by installing Unity and learning about its features. You will learn how to perform object oriented programming and discover how to manage the game play loop, generate game levels and develop a simple UI for the game. By the time this module comes to a close you will have mastered the art of applying C in Unity. It is now time we put into use what we learned in the previous module into reality as we move onto the second module. Here we will be building 7-8 action packed games of different difficulty levels. Each project will focus on key Unity features as well as game strategy development. This module will mark your transformation from an application developer to a full fledged Unity game developer. Who wouldn't love a game that is fully perfect functional and without any glitches. The third module deals with just that by teaching how to enhance your game by learning game optimization skills. Here you'll gain an understanding of possible solutions to any problem and how to implement them. You will then learn everything you need to know about where performance bottlenecks can be found, why they happen and how to work around them. With this massive wealth of knowledge at the end of this learning path you will be able to leverage an array of game development techniques to create your own basic games while resolving any issues that you encounter. Style and approach: This learning path should be treated as the complete package necessary for building games. It is a step by step guide to develop a game from scratch by applying the fundamentals of C and Unity scripting with a reference guide in the end to solve all your gaming problems.

## Embracing the Beat of Phrase: An Emotional Symphony within **Unity Programmer Guide Onbase**

In some sort of consumed by monitors and the ceaseless chatter of instantaneous interaction, the melodic elegance and emotional symphony produced by the published term usually fade into the backdrop, eclipsed by the constant noise and distractions that permeate our lives. Nevertheless, set within the pages of **Unity Programmer Guide Onbase** a charming literary treasure overflowing with fresh thoughts, lies an immersive symphony waiting to be embraced. Crafted by an elegant composer of language, this captivating masterpiece conducts viewers on a mental trip, skillfully unraveling the hidden songs and profound influence resonating within each cautiously crafted phrase. Within the depths of the emotional analysis, we will investigate the book is key harmonies, analyze its enthralling writing type, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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