

# BUILDING ANDROID APPS IN EASY STEPS USING APP INVENTOR

BUILDING ANDROID APPS IN EASY STEPS USING APP INVENTOR BUILDING ANDROID APPS IN EASY STEPS UNLOCK YOUR INNER DEVELOPER WITH APP INVENTOR THE MOBILE APP MARKET IS A BEHEMOTH GENERATING BILLIONS ANNUALLY AND IMPACTING NEARLY EVERY FACET OF OUR LIVES WHILE PROFESSIONAL APP DEVELOPMENT OFTEN REQUIRES EXTENSIVE CODING KNOWLEDGE AND SIGNIFICANT INVESTMENT THE RISE OF VISUAL PROGRAMMING TOOLS LIKE MIT APP INVENTOR OFFERS A REFRESHING ALTERNATIVE THIS PLATFORM EMPOWERS INDIVIDUALS WITH LIMITED PROGRAMMING EXPERIENCE TO BUILD FULLY FUNCTIONAL ANDROID APPS OPENING DOORS TO INNOVATION AND ENTREPRENEURSHIP THIS DATADRIVEN PIECE EXPLORES THE SIMPLICITY AND POWER OF APP INVENTOR BACKED BY INDUSTRY TRENDS COMPELLING CASE STUDIES AND EXPERT PERSPECTIVES THE APP INVENTOR ADVANTAGE DEMOCRATIZING APP DEVELOPMENT ACCORDING TO STATISTA THE GLOBAL MOBILE APP MARKET REVENUE IS PROJECTED TO EXCEED 613 BILLION BY 2026 THIS EXPLOSIVE GROWTH HIGHLIGHTS THE IMMENSE DEMAND FOR MOBILE APPLICATIONS ACROSS DIVERSE SECTORS FROM GAMING AND ENTERTAINMENT TO HEALTHCARE AND EDUCATION HOWEVER THE TRADITIONAL BARRIER TO ENTRY COMPLEX CODING LANGUAGES LIKE JAVA OR KOTLIN HAS HISTORICALLY EXCLUDED MANY ASPIRING DEVELOPERS APP INVENTOR ELEGANTLY SIDESTEPS THIS HURDLE ITS BLOCKBASED PROGRAMMING INTERFACE RESEMBLING VISUAL PUZZLE PIECES MAKES APP CREATION ACCESSIBLE TO STUDENTS EDUCATORS HOBBYISTS AND EVEN BUSINESSES SEEKING QUICK PROTOTYPES THIS ACCESSIBILITY IS CRUCIAL IN TODAYS RAPIDLY EVOLVING TECHNOLOGICAL LANDSCAPE AS HAL ABELSON PROFESSOR OF COMPUTER SCIENCE AT MIT AND A KEY FIGURE IN APP INVENTORS DEVELOPMENT NOTES APP INVENTOR IS DESIGNED TO MAKE PROGRAMMING ACCESSIBLE TO EVERYONE REGARDLESS OF THEIR BACKGROUND ITS ABOUT EMPOWERING INDIVIDUALS TO CREATE NOT JUST CONSUME TECHNOLOGY THIS PHILOSOPHY RESONATES DEEPLY WITHIN THE CONTEXT OF INCREASING DIGITAL LITERACY DEMANDS GLOBALLY INDUSTRY TRENDS FUELING APP INVENTORS RELEVANCE SEVERAL SIGNIFICANT INDUSTRY TRENDS FURTHER SOLIDIFY APP INVENTORS POSITION AS A POWERFUL TOOL LOWCODE/NOCODE REVOLUTION THE DEMAND FOR RAPID APPLICATION DEVELOPMENT IS SKYROCKETING BUSINESSES NEED SOLUTIONS QUICKLY AND LOWCODE/NOCODE PLATFORMS LIKE APP 2 INVENTOR PROVIDE A FAST AND EFFICIENT WAY TO BUILD MVPs MINIMUM VIABLE PRODUCTS AND TEST MARKET VIABILITY CITIZEN DEVELOPMENT EMPOWERING NONPROGRAMMERS TO BUILD APPS SIGNIFICANTLY INCREASES ORGANIZATIONAL AGILITY APP INVENTOR ALLOWS CITIZEN DEVELOPERS WITHIN BUSINESSES TO CREATE INTERNAL TOOLS AND STREAMLINE WORKFLOWS BOOSTING PRODUCTIVITY AND REDUCING RELIANCE ON EXTERNAL DEVELOPERS STEM EDUCATION INITIATIVES APP INVENTOR HAS BECOME A CORNERSTONE OF STEM EDUCATION PROGRAMS WORLDWIDE ITS INTUITIVE INTERFACE FOSTERS COMPUTATIONAL THINKING PROBLEMSOLVING SKILLS AND A PASSION FOR TECHNOLOGY AMONGST YOUNG LEARNERS A STUDY BY THE UNIVERSITY OF CALIFORNIA BERKELEY SHOWED A SIGNIFICANT INCREASE IN STUDENT ENGAGEMENT AND UNDERSTANDING OF PROGRAMMING CONCEPTS USING APP INVENTOR CASE STUDIES REALWORLD APPLICATIONS OF APP INVENTOR APP INVENTORS IMPACT TRANSCENDS THEORETICAL POSSIBILITIES NUMEROUS REALWORLD EXAMPLES DEMONSTRATE ITS CAPABILITIES HEALTH MONITORING APP A TEAM OF MEDICAL STUDENTS USED APP INVENTOR TO DEVELOP A MOBILE APPLICATION FOR TRACKING PATIENT VITAL SIGNS AND ALERTING MEDICAL PERSONNEL IN CASE OF EMERGENCIES THIS SHOWCASED THE PLATFORMS ABILITY TO CREATE IMPACTFUL APPLICATIONS IN THE HEALTHCARE DOMAIN EDUCATIONAL GAME A GROUP OF HIGH SCHOOL STUDENTS CREATED AN ENGAGING EDUCATIONAL GAME USING APP INVENTOR TO TEACH BASIC MATHEMATICS CONCEPTS THIS HIGHLIGHTS THE PLATFORMS VERSATILITY IN EDUCATIONAL SETTINGS AND ITS POTENTIAL TO ENHANCE LEARNING EXPERIENCES INVENTORY MANAGEMENT SYSTEM A SMALL BUSINESS OWNER USED APP INVENTOR TO BUILD A SIMPLE INVENTORY MANAGEMENT SYSTEM STREAMLINING THEIR OPERATIONS AND IMPROVING EFFICIENCY THIS DEMONSTRATES THE PLATFORMS APPLICABILITY TO BUSINESSES OF ALL SIZES BUILDING YOUR FIRST APP A STEP-BY-STEP GUIDE CREATING YOUR FIRST APP WITH APP INVENTOR IS REMARKABLY STRAIGHTFORWARD 1 ACCOUNT CREATION SIGN UP FOR A FREE APP INVENTOR ACCOUNT ON THE MIT APP INVENTOR WEBSITE 2

PROJECT DESIGN UTILIZE THE DRAGANDDROP INTERFACE TO DESIGN YOUR APPS USER INTERFACE UI INCLUDING BUTTONS TEXT BOXES AND OTHER COMPONENTS 3 BLOCK PROGRAMMING USE THE VISUAL BLOCK EDITOR TO DEFINE THE APPS FUNCTIONALITY CONNECT BLOCKS TO DEFINE ACTIONS TRIGGERED BY USER INTERACTIONS OR EVENTS 4 TESTING AND DEBUGGING TEST YOUR APP ON A CONNECTED ANDROID DEVICE OR EMULATOR TO IDENTIFY AND FIX ANY ERRORS 5 DEPLOYMENT ONCE SATISFIED GENERATE AN APK ANDROID PACKAGE KIT FILE TO DISTRIBUTE YOUR 3 APP ADDRESSING CHALLENGES AND LIMITATIONS WHILE APP INVENTOR OFFERS A SIGNIFICANT ADVANTAGE ITS IMPORTANT TO ACKNOWLEDGE ITS LIMITATIONS COMPLEXITY FOR ADVANCED FEATURES CREATING HIGHLY SOPHISTICATED APPS WITH INTRICATE FUNCTIONALITIES MAY REQUIRE EXCEEDING THE CAPABILITIES OF APP INVENTORS VISUAL BLOCK PROGRAMMING DEPENDENCY ON MIT SERVERS THE DEVELOPMENT PROCESS RELIES ON THE MIT SERVERS WHILE GENERALLY RELIABLE OCCASIONAL OUTAGES COULD DISRUPT WORKFLOW LIMITED ACCESS TO NATIVE FEATURES INTEGRATION WITH CERTAIN DEVICESPECIFIC FEATURES MAY BE RESTRICTED EXPERT INSIGHTS NAVIGATING THE APP INVENTOR LANDSCAPE APP INVENTORS STRENGTH LIES IN ITS ABILITY TO BRIDGE THE GAP BETWEEN CONCEPTUAL UNDERSTANDING AND PRACTICAL APPLICATION OF PROGRAMMING SAYS DR MARINA UMASCHI BERS A LEADING RESEARCHER IN THE FIELD OF COMPUTER SCIENCE EDUCATION IT EMPOWERS USERS TO EXPERIENCE THE JOY OF CREATION AND THE POWER OF TECHNOLOGY IN A REMARKABLY ACCESSIBLE WAY CALL TO ACTION DONT JUST DREAM OF CREATING YOUR OWN ANDROID APP BUILD IT START YOUR JOURNEY WITH APP INVENTOR TODAY EXPLORE ITS TUTORIALS JOIN THE VIBRANT COMMUNITY AND UNLEASH YOUR CREATIVITY THE POSSIBILITIES ARE LIMITLESS 5 THOUGHTPROVOKING FAQs 1 CAN I MONETIZE APPS BUILT WITH APP INVENTOR YES YOU CAN INTEGRATE MONETIZATION FEATURES LIKE ADS USING THIRDPARTY SERVICES HOWEVER THE LEVEL OF COMPLEXITY MAY VARY 2 WHAT KIND OF APPS CAN I CREATE WITH APP INVENTOR YOU CAN BUILD A WIDE RANGE OF APPLICATIONS FROM SIMPLE UTILITIES AND GAMES TO MORE COMPLEX APPS FOR DATA COLLECTION AND EDUCATIONAL PURPOSES THE LIMIT IS PRIMARILY YOUR IMAGINATION AND DESIGN SKILLS 3 IS APP INVENTOR SUITABLE FOR LARGESCALE PROJECTS WHILE APP INVENTOR IS EXCELLENT FOR PROTOTYPING AND SMALLER PROJECTS EXTREMELY COMPLEX OR RESOURCEINTENSIVE APPLICATIONS MIGHT REQUIRE MORE ADVANCED TOOLS 4 HOW SECURE ARE APPS BUILT WITH APP INVENTOR SECURITY IS DEPENDENT ON YOUR IMPLEMENTATION FOLLOWING BEST PRACTICES PROPERLY HANDLING SENSITIVE DATA AND UTILIZING 4 SECURE BACKEND SERVICES ARE CRUCIAL 5 WHAT ARE THE FUTURE PROSPECTS OF APP INVENTOR WITH THE ONGOING EVOLUTION OF LOWCODENO CODE PLATFORMS AND INCREASING EMPHASIS ON DIGITAL LITERACY APP INVENTORS FUTURE REMAINS BRIGHT EXPECT FURTHER ENHANCEMENTS IN FUNCTIONALITY AND ACCESSIBILITY

EXCEL 2007 IN EASY STEPS JAVA IN EASY STEPS CODING FOR BEGINNERS IN EASY STEPS, 3RD EDITION C++ PROGRAMMING IN EASY STEPS THE FIRST BOOK OF WORD AND SENTENCE WORK, OR, EASY STEPS IN SPELLING EASY STEPS TO THE ORCHESTRA BALTIMORE AND OHIO EMPLOYES MAGAZINE MUSICAL NEWS C, C++ & C# IN EASY STEPS COMPUTING FOR SENIORS IN EASY STEPS COMPLETE SET NEW PSYCHOLOGY JOURNAL OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS THE NEW SCRIPT PRIMER SONGS OF THE WESTERN COLLEGES CHAMBERS'S JOURNAL OF POPULAR LITERATURE, SCIENCE AND ARTS INTERNATIONAL LIBRARY OF TECHNOLOGY AGRICULTURAL JOURNAL OF THE CAPE OF GOOD HOPE THE METAL WORKER, PLUMBER, AND STEAM FITTER THE SCHOOL JOURNAL PRINTED SALESMANSHIP MICHAEL PRICE MIKE MCGRATH MIKE MCGRATH MIKE MCGRATH MARSHMAN WILLIAM HAZEN MARJORIE M. KELLER MIKE MCGRATH COMPUTER STEP JOHN PANCOAST GORDY CAROLINE A. FABER CAPE OF GOOD HOPE (COLONY). DEPARTMENT OF AGRICULTURE EXCEL 2007 IN EASY STEPS JAVA IN EASY STEPS CODING FOR BEGINNERS IN EASY STEPS, 3RD EDITION C++ PROGRAMMING IN EASY STEPS THE FIRST BOOK OF WORD AND SENTENCE WORK, OR, EASY STEPS IN SPELLING EASY STEPS TO THE ORCHESTRA BALTIMORE AND OHIO EMPLOYES MAGAZINE MUSICAL NEWS C, C++ & C# IN EASY STEPS COMPUTING FOR SENIORS IN EASY STEPS COMPLETE SET NEW PSYCHOLOGY JOURNAL OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS THE NEW SCRIPT PRIMER SONGS OF THE WESTERN COLLEGES CHAMBERS'S JOURNAL OF POPULAR LITERATURE, SCIENCE AND ARTS INTERNATIONAL LIBRARY OF TECHNOLOGY AGRICULTURAL JOURNAL OF THE CAPE OF GOOD HOPE THE METAL WORKER, PLUMBER, AND STEAM FITTER THE SCHOOL JOURNAL PRINTED SALESMANSHIP MICHAEL PRICE MIKE MCGRATH MIKE MCGRATH MIKE MCGRATH MARSHMAN WILLIAM HAZEN MARJORIE M. KELLER MIKE MCGRATH COMPUTER STEP JOHN PANCOAST GORDY

CAROLINE A. FABER CAPE OF GOOD HOPE (COLONY). DEPARTMENT OF AGRICULTURE

EXCEL 2007 IN EASY STEPS INTRODUCES THE RIBBON INTERFACE PROVIDED BY OFFICE 2007 IT SHOWS YOU HOW TO CREATE AND MANIPULATE WORKSHEETS STARTING WITH THE BASIC CONCEPTS AND THEN INTRODUCING FUNCTIONS AND FEATURES THAT ALLOW YOU TO ORGANIZE AND MANAGE VAST AMOUNTS OF INFORMATION IT COVERS THE EXCEL TABLE DATA LIST STRUCTURES ADVANCED FUNCTIONS AND EXCEL ADD INS AND SHOWS YOU HOW TO PRESENT YOUR WORKSHEET DATA IN CHART FORMATS THE BOOK WILL HELP YOU TO CREATE MACROS RECORDED OR VIA VISUAL BASIC YOU LL LEARN HOW TO USE TEMPLATES TOOLS AND OTHER RESOURCES TO HELP YOU APPLY EXCEL TO VARIOUS TASKS YOU LL LINK YOUR WORKSHEETS TO OTHER WORKBOOKS AND TO DATA SOURCES ON THE INTERNET TO GET AUTOMATIC UPDATES WRITTEN CONCISELY YET COMPREHENSIVELY THIS IS AN IDEAL BOOK TO HELP YOU GRASP THE ESSENTIALS OF EXCEL 2007 QUICKLY AND EASILY EVEN IF YOU ARE NEW TO THE SPREADSHEET CONCEPT

NOW IN ITS THIRD EDITION THIS BESTSELLER WILL APPEAL TO ANYONE OF ANY AGE WHO WANTS TO BEGIN CODING USE CODING FOR BEGINNERS IN EASY STEPS TO HELP YOU QUICKLY CREATE A PROGRAMMING ENVIRONMENT ON YOUR COMPUTER THEN LEARN HOW TO WRITE PYTHON CODE TO CREATE YOUR PROGRAMS STORE INFORMATION IN DATA STRUCTURES CONTROL PROGRAM FLOW USING CONTROL STRUCTURES CREATE RE USABLE BLOCKS OF PROGRAM CODE CODE POWERFUL ALGORITHMS AND CLASSES FOR OBJECT ORIENTED PROGRAMMING OOP ALL FEATURES ARE ILLUSTRATED USING THE PYTHON LANGUAGE COLOR CODING CONVENTION AND ALL CODE IS AVAILABLE TO DOWNLOAD FREE MAKING IT EVEN EASIER INCLUDES COMPARISON EXAMPLES IN C C C AND JAVA TO GIVE YOU A ROUNDED VIEW OF COMPUTER CODING IDEAL FOR NEWCOMERS TO PROGRAMMING INCLUDING YOUNGSTERS NEEDING TO LEARN CODING FOR THE SCHOOL CURRICULUM ALL IN EASY STEPS TABLE OF CONTENTS 1 GETTING STARTED 2 SAVING DATA 3 PERFORMING OPERATIONS 4 MAKING LISTS 5 CONTROLLING BLOCKS 6 CREATING FUNCTIONS 7 SORTING ALGORITHMS 8 IMPORTING LIBRARIES 9 MANAGING TEXT 10 PROGRAMMING OBJECTS 11 BUILDING INTERFACES 12 DEVELOPING APPS 13 TRANSFERRING SKILLS

C PROGRAMMING IN EASY STEPS 7TH EDITION SHOWS YOU HOW TO PROGRAM IN THE POWERFUL C NATIVE SYSTEM LANGUAGE NOW IN ITS SEVENTH EDITION THIS GUIDE GIVES COMPLETE EXAMPLES THAT ILLUSTRATE EACH ASPECT WITH COLORIZED SOURCE CODE C PROGRAMMING IN EASY STEPS 7TH EDITION BEGINS BY EXPLAINING HOW TO INSTALL A FREE C COMPILER SO THAT YOU CAN QUICKLY BEGIN TO CREATE YOUR OWN EXECUTABLE PROGRAMS BY COPYING THE BOOK S EXAMPLES IT DEMONSTRATES ALL THE C LANGUAGE BASICS BEFORE MOVING ON TO PROVIDE EXAMPLES OF OBJECT ORIENTED PROGRAMMING OOP C IS NOT PLATFORM DEPENDENT SO PROGRAMS CAN BE CREATED ON ANY OPERATING SYSTEM MOST ILLUSTRATIONS IN THIS BOOK DEPICT OUTPUT ON THE WINDOWS OPERATING SYSTEM PURELY BECAUSE IT IS THE MOST WIDELY USED DESKTOP PLATFORM BUT THE EXAMPLES CAN ALSO BE CREATED ON OTHER PLATFORMS SUCH AS LINUX OR MACOS THE BOOK CONCLUDES BY DEMONSTRATING HOW YOU CAN USE YOUR ACQUIRED KNOWLEDGE TO CREATE PROGRAMS GRAPHICALLY USING A MODERN C INTEGRATED DEVELOPMENT ENVIRONMENT IDE SUCH AS MICROSOFT S VISUAL STUDIO C PROGRAMMING IN EASY STEPS 7TH EDITION HAS AN EASY TO FOLLOW STYLE THAT WILL APPEAL TO ANYONE WHO WANTS TO BEGIN PROGRAMMING IN C PROGRAMMERS LOOKING TO ADVANCE FROM AN INTERPRETED PROGRAMMING LANGUAGE SUCH AS PYTHON WHO WANT TO HARNESS THE SUPERIOR SPEED OF C STUDENTS WHO ARE STUDYING C PROGRAMMING AT SCHOOL OR COLLEGE THOSE SEEKING A CAREER IN COMPUTING WHO NEED A FUNDAMENTAL UNDERSTANDING OF OBJECT ORIENTED PROGRAMMING THIS BOOK MAKES NO ASSUMPTION THAT YOU HAVE PREVIOUS KNOWLEDGE OF ANY PROGRAMMING LANGUAGE SO IT IS SUITABLE FOR THE BEGINNER TO PROGRAMMING IN C WHETHER YOU KNOW C OR NOT

C C C IN EASY STEPS IS A COMPREHENSIVE GUIDE TO HELP YOU CREATE YOUR OWN PROGRAMS IN THE C C AND C PROGRAMMING LANGUAGES COMBINING KNOWLEDGE FROM THE LATEST C C AND C BOOKS IN THE IN EASY STEPS SERIES COLOR CODED EXAMPLE PROGRAMS TOGETHER WITH SCREENSHOTS ILLUSTRATE THE OUTPUT WHEN THE PROGRAM HAS BEEN EXECUTED MAKING IT EASY TO GRASP DOWNLOAD THE FREE SAMPLE CODE FOR CHECKING AGAINST YOUR OWN WORK ALL EXAMPLES DEMONSTRATE C AND C FEATURES SUPPORTED BY CURRENT COMPILERS

ON BOTH WINDOWS AND LINUX OPERATING SYSTEMS AND DEMONSTRATE C FEATURES IN THE MICROSOFT VISUAL STUDIO DEVELOPMENT SUITE ALL IN EASY STEPS IDEAL FOR PROGRAMMERS STUDENTS AND NOVICES SEEKING A CAREER IN COMPUTING WHO NEED A FUNDAMENTAL UNDERSTANDING OF PROCEDURAL PROGRAMMING

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THANK YOU ENORMOUSLY MUCH FOR DOWNLOADING **BUILDING ANDROID APPS IN EASY STEPS USING APP INVENTOR**. MAYBE YOU HAVE KNOWLEDGE THAT, PEOPLE HAVE LOOK NUMEROUS TIMES FOR THEIR FAVORITE BOOKS LATER THIS BUILDING ANDROID APPS IN EASY STEPS USING APP INVENTOR, BUT END GOING ON IN HARMFUL DOWNLOADS. RATHER THAN ENJOYING A FINE PDF BEARING IN MIND A CUP OF COFFEE IN THE AFTERNOON, OTHERWISE THEY JUGGLED CONSIDERING SOME HARMFUL VIRUS INSIDE THEIR COMPUTER.

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## TEXTBOOKS

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## TEXT-TO-SPEECH CAPABILITIES

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EFFORTS TO EXPAND INTERNET ACCESS GLOBALLY WILL HELP MORE PEOPLE BENEFIT FROM FREE EBOOK SITES.

## ROLE IN EDUCATION

AS EDUCATIONAL RESOURCES BECOME MORE DIGITIZED, FREE EBOOK SITES WILL PLAY AN INCREASINGLY VITAL ROLE IN LEARNING.

## CONCLUSION

IN SUMMARY, FREE EBOOK SITES OFFER AN INCREDIBLE OPPORTUNITY TO ACCESS A WIDE RANGE OF BOOKS WITHOUT THE FINANCIAL BURDEN. THEY ARE INVALUABLE RESOURCES FOR READERS OF ALL AGES AND INTERESTS, PROVIDING EDUCATIONAL MATERIALS, ENTERTAINMENT, AND ACCESSIBILITY FEATURES. SO WHY NOT EXPLORE THESE SITES AND DISCOVER THE WEALTH OF KNOWLEDGE THEY OFFER?

## FAQs

ARE FREE EBOOK SITES LEGAL? YES, MOST FREE EBOOK SITES ARE LEGAL. THEY TYPICALLY OFFER BOOKS THAT ARE IN THE PUBLIC DOMAIN OR HAVE THE RIGHTS TO DISTRIBUTE THEM. HOW DO I KNOW IF AN EBOOK SITE IS SAFE? STICK TO WELL-KNOWN AND REPUTABLE SITES LIKE PROJECT GUTENBERG, OPEN LIBRARY, AND GOOGLE BOOKS. CHECK REVIEWS AND ENSURE THE SITE HAS PROPER SECURITY MEASURES. CAN I DOWNLOAD EBOOKS TO ANY DEVICE? MOST FREE EBOOK SITES OFFER DOWNLOADS IN MULTIPLE FORMATS, MAKING THEM COMPATIBLE WITH VARIOUS DEVICES LIKE E-READERS, TABLETS, AND SMARTPHONES. DO FREE EBOOK SITES OFFER AUDIOBOOKS? MANY FREE EBOOK SITES OFFER AUDIOBOOKS, WHICH ARE PERFECT FOR THOSE WHO PREFER LISTENING TO THEIR BOOKS. HOW CAN I SUPPORT AUTHORS IF I USE FREE EBOOK SITES? YOU CAN SUPPORT AUTHORS BY PURCHASING THEIR BOOKS WHEN POSSIBLE, LEAVING REVIEWS, AND SHARING THEIR WORK WITH OTHERS.

