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will learn how to create Ajax and Atlas applications in ASP NET 2 0 They will be treated to a deeper coverage of ASP NET 2 0 Performance Tuning and will be given a slew of bonus material to truly make this special edition special This includes a free eBook of the title s content and a bonus 150 page eBook of carefully selected ASP NET 2 0 articles **24 Deadly Sins of Software Security: Programming Flaws and How to Fix Them** Michael Howard,David LeBlanc,John Viega,2009-09-22 What makes this book so important is that it reflects the experiences of two of the industry s most experienced hands at getting real world engineers to understand just what they re being asked for when they re asked to write secure code The book reflects Michael Howard s and David LeBlanc s experience in the trenches working with developers years after code was long since shipped informing them of problems From the Foreword by Dan Kaminsky Director of Penetration Testing IOActive Eradicate the Most Notorious Insecure Designs and Coding Vulnerabilities Fully updated to cover the latest security issues 24 Deadly Sins of Software Security reveals the most common design and coding errors and explains how to fix each one or better yet avoid them from the start Michael Howard and David LeBlanc who teach Microsoft employees and the world how to secure code have partnered again with John Viega who uncovered the original 19 deadly programming sins They have completely revised the book to address the most recent vulnerabilities and have added five brand new sins This practical guide covers all platforms languages and types of applications Eliminate these security flaws from your code SQL injection Web server and client related vulnerabilities Use of magic URLs predictable cookies and hidden form fields Buffer overruns Format string problems Integer overflows C catastrophes Insecure exception handling Command injection Failure to handle errors Information leakage Race conditions Poor usability Not updating easily Executing code with too much privilege Failure to protect stored data Insecure mobile code Use of weak password based systems Weak random numbers Using cryptography incorrectly Failing to protect network traffic Improper use of PKI Trusting network name resolution

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Pro ASP NET 2 0 in C 2005 includes new chapters explaining how to use important new technologies Beyond the book s already extensive coverage readers will learn to create Ajax and Atlas applications in ASP NET 2 0 and will appreciate its deeper coverage of ASP NET 2 0 Performance Tuning **A Functioning Code May Not be a Secure Code** Jeremiah Niiquaye Kotey,2023 Eleanor Roosevelt once said Learn from the mistakes of others You can t live long enough to make them all yourself Mistakes are almost inevitable while coding or designing a system Therefore patches are created to fix the issues in the code either by a manual review or through a static analysis tool Oftentimes mistakes in programming emanate from lack of skills thus competence with a particular programming language but negligence also plays a role in other instances A functioning code that solves a particular problem does not guarantee that the code is secure hence the code should be structured to meet secure programming guidelines and principles Most students tend to stop at a functioning code paying less attention to the security aspects of programming This has an ultimate impact on the industries where software security gets the priority Therefore students should be motivated for practicing secure programming in their academic levels It will grow their interests in writing professional code from the beginning and raise their values as novel developers to the competing world How do we bridge the gap between common mistakes made by new developers and professional developers Strict coding practices must be enforced in academia and an updated database of common errors in programming must be kept as a guide to enrich rookie programmers for the software development industry New developers also tend to make light of security when writing programs and this becomes a habit that negatively affect software industries The primary objective of this study is to determine how negligent students are in writing secure code analyze their complacency and understand the effect it has on new developers in the software development industry To achieve this objective two surveys were created The first survey was to understand students views about secure coding and collected code samples from students The second survey was structured to collect senior managers view about new developers programmers when they first get started in the programming industry Codes samples were then analyzed to find frequently occurring common mistakes and then compared students common mistakes to Common Vulnerabilities and Exposures database CWE Professional developers were also asked about the common mistakes these new developers make to understand what the industry expects from them The results suggest that students rarely care about security while programming 60 participants out of 98 focused more on the proper functioning of code as compared to the security aspects of code About 30% of the participants have never considered the security of a program they developed and 93% of the participants among them intend to pursue a career in a software programming field in the future Based on these findings it is essential to strengthen security education at the academic levels so that the students can be conscientious programming professionals The results of the second survey shows that most managers are concerned about security and expect entry level programmers to know a thing or two about software security Close to 90% of managers suggest it will be a good idea for programming students to be knowledgeable about secure

programming before they enter the industry 　　**Proceedings of the FREENIX Track** ,2003

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Table of Contents Writing Secure Code

1. Understanding the eBook Writing Secure Code
    - The Rise of Digital Reading Writing Secure Code
    - Advantages of eBooks Over Traditional Books
2. Identifying Writing Secure Code
    - Exploring Different Genres
    - Considering Fiction vs. Non-Fiction
    - Determining Your Reading Goals
3. Choosing the Right eBook Platform
    - Popular eBook Platforms
    - Features to Look for in an Writing Secure Code
    - User-Friendly Interface
4. Exploring eBook Recommendations from Writing Secure Code
    - Personalized Recommendations
    - Writing Secure Code User Reviews and Ratings

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