Abstract
Fundamentals of Web Development covers the broad range of topics required for modern web development (both client- and server-side) and is appropriate for students who have taken a CS1 course sequence. The book guides students through the creation of enterprise-quality websites using current development frameworks, its comprehensive coverage of a modern internet development platform?includes HTML5, CSS3, javascript, and the LAMP stack (that is, Linux, Apache, MySQL, and PHP). Other important technologies covered include jQuery, XML, WordPress, Bootstrap, and a variety of third-party APIs that include Facebook, Twitter, and Google and Bing Maps. Coverage also includes the required ACM web development topics in a modern manner closely aligned with best practices in the real world of web development. Teaching and Learning Experience Help students master the fundamentals of web development: A true grasp of web development requires an understanding of both the foundations of the web and current web development practices. Support learning outcomes in various teaching scenarios: This book allows instructors to chart their own unique way through the topics that make up contemporary web development.
Welcome to the Fundamentals of Web Development. "I've never seen another one book like this. It's what I've been looking for and cannot find." – Course Technology - Reviewer #5. "Too many books are shallow, in the sense that they seek to cover all the features with simple illustrations, but rarely show any large-scale development that integrates the various features. The authors are to be congratulated on three fronts. First, they write really well, in a way that conveys the concepts to students. Web development is a term that takes on different meanings depending on the audience and context. In practice, web development requires people with complementary but distinct expertise working together toward a single goal. To help students master the fundamentals of web development, this book has the following features:
Covers both the concepts and the practice of the entire scope of web development. Web development can be a difficult subject to teach because it involves covering a wide range of theoretical material that is technology independent as well as practical material that is very specific to a particular technology. This book comprehensively covers both the conceptual and practical side of the entire gamut of the web development world. When it comes to web development, a lot of things can confuse people. It seems so complex with its never-ending loop. The truth of the matter is every topic in the world has fundamentals which are guided by principles and topics that are relatively easier to understand. Your business website, for instance, is your business's most important asset and this is where your content is housed online and website brings in thousands of dollars per year even though it cost very little to make. Understanding what makes a website and how it's created is made easy when you understand the fundamen...