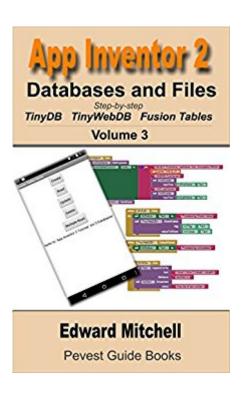# App Inventor 2: Databases And Files: Step-by-step TinyDB, TinyWebDB, Fusion Tables And Files (Pevest Guides To App Inventor Book 3)

Synopsis

App Inventor 2: Databases and Files is a step-by-step guide to writing apps that use TinyDB, TinyWebDB, Fusion Tables and data files for information storage and retrieval. Includes detailed explanations, examples, and a link to download sample code. This is the first tutorial to cover all of these App Inventor database and file features.If your apps need to work with data or files - you need this book!TinyDB stores data on your smart phone or tablet and is a primary way for App Inventor apps to save data, even when the app is no longer running or if the device is turned off.TinyWebDB is similar to TinyDB, but stores your data on a remote server in the network cloud. Multiple apps can share a TinyWebDB database, plus you can update the content of your TinyWebDB using just a web browser. This means you can distribute an app whose content can change over time - just by changing the values in TinyWebDB.A big challenge is the need to set up a TinyWebDB server - this book shows how to do that through free services offered by Google.Fusion Tables provide a powerful, cloud-based database system for App Inventor apps. Creating, retrieving, updating and deleting data is done using the industry standard Structured Query Language or SQL. Fusion Tables reside in the Google network cloud - this book shows you how to set up and configure Fusion Tables for you own apps using free services of Google. As your app requirements grow, Google's cloud can provide low cost servers and bandwidth for your needs.Underneath the Android OS user interface, there is a file system, similar to the file system found on Windows or Mac OS X. With App Inventor your apps can write and read data from files, and if using the special "CSV" format, App Inventor datacan be shared with many spreadsheet programs. This book shows you how to create, use and access data files, and how to convert data to and from the CSV format.Over 28,000 words. Over 250 screen shots and illustrations. Numerous sample programs and code.App Inventor 2: Databases and Files - Table of Contents1 - Introduction2 - Using the TinyDB database3 - Implementing Records Using Lists in TinyDB4 - Simulating Multiple TinyDB Databases5 - How to Use Multiple Tags in TinyDB6 - Introduction and Setup: TinyWebDB7 - Managing TinyWebDB in the Cloud8 - Programming for TinyWebDB - Demo 19 - Adding a Tags List to TinyWebDB â " Demo 210 - Handling Multiple Users with TinyWebDB â " Demo 311 - Implementing a Student Quiz Application using TinyWebDB12 - Introduction to Fusion Tables13 - Developing Your Fusion Table App14 - Using Text Files in App InventorAbout the AuthorEdward Mitchell has worked in software development, project and program management in companies from Silicon Valley to Microsoft Corporation. He has taught management and computer information systems courses at Gonzaga University and at a community college. He earned a B.S. in information and computer science from the University of California, an M.B.A. from Gonzaga University (2001), and an M.S. in software

engineering from Regis University (2012). His interests include methods of improving the efficiency and effectiveness of software development including better tools (like App Inventor), software development and organizational process improvements that can lead to building the right solutions, faster and more reliably, and teaching others about software development concepts. In addition to this guide, he has written about a dozen books on technical subjects and has interests spanning 3D still and video photography to flying a hovercraft.Please visit the bookâ™s web http://appinventor.pevest.com for updated content, tutorials and links to more information.E-Books in this Series:â¢App Inventor 2 Introduction, Volume 1.â¢App Inventor 2 Advanced Concepts, Volume 2â¢App Inventor 2 Databases and Files, Volume 3

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