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Titolo	Dart cookbook : over 110 incredibly effective, useful, and hands-on recipes to design Dart web client and server applications // Ivo Balbaert
Pubbl/distr/stampa	Birmingham : , : Packt Publishing, , 2014
ISBN	1-78398-963-7
Descrizione fisica	1 online resource (346 p.)
Collana	Quick answers to common problems
Disciplina	005.268
Soggetti	Programming language (Electronic computers) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Working with Dart Tools; Introduction; Configuring the Dart environment; Setting up the checked and production modes; Rapid Dart Editor troubleshooting; Hosting your own private pub mirror; Using Sublime Text 2 as an IDE; Compiling your app to JavaScript; Debugging your app in JavaScript for Chrome; Using the command-line tools; Solving problems when pub get fails; Shrinking the size of your app; Making a system call; Using snapshotting Getting information from the operating systemChapter 2: Structuring, Testing, and Deploying an Application; Introduction; Exiting from an app; Parsing command-line arguments; Structuring an application; Using a library from within your app; Microtesting your code with assert; Unit testing a polymer web app; Adding logging to your app; Documenting your app; Profiling and benchmarking your app; Publishing and deploying your app; Using different settings in checked and production mode; Chapter 3: Working with Data Types; Introduction; Concatenating strings; Using regular expressions Strings and UnicodeUsing complex numbers; Creating an enum; Flattening a list; Generating a random number within a range; Getting a random element from a list; Working with dates and times; Improving performance in numerical computations; Using SIMD for enhanced

performance; Chapter 4: Object Orientation; Introduction; Testing and converting types; Comparing two objects; Using a factory constructor; Building a singleton; Using reflection; Using mixins; Using annotations; Using the call method; Using noSuchMethod; Making toJSON and fromJSON methods in your class

Creating common classes for client and server appsChapter 5: Handling Web Applications; Introduction; Responsive design; Sanitizing HTML; Using a browser's local storage; Using application cache to work offline; Preventing an onSubmit event from reloading the page; Dynamically inserting rows in an HTML table; Using CORS headers; Using keyboard events; Enabling drag-and-drop; Enabling touch events; Creating a Chrome app; Structuring a game project; Using WebGL in your app; Authorizing OAuth2 to Google services; Talking with JavaScript; Using JavaScript libraries

Chapter 6: Working with Files and StreamsIntroduction; Reading and processing a file line by line; Writing to a file; Searching in a file; Concatenating files; Downloading a file; Working with blobs; Transforming streams; Chapter 7: Working with Web Servers; Introduction; Creating a web server; Posting JSON formatted data; Receiving data on the web server; Serving files with http_server; Using sockets; Using WebSockets; Using secure sockets and servers; Using a JSON web service; Chapter 8: Working with Futures, Tasks, and Isolates; Introduction; Writing a game loop
Error-handling with Futures

Sommario/riassunto

If you are a Dart developer looking to sharpen your skills, and get insight and tips on how to put that knowledge into practice, then this book is for you. You should also have a basic knowledge of HTML, and how web applications with browser clients and servers work, in order to build dynamic Dart applications.
