



# **GNOME 3 Application Development Beginner's Guide**

Mohammad Anwari

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#### In Detail

GNOME is a desktop environment and graphical user interface that runs on top of a computer operating system. GNOME 3 provides both modern desktops and development platforms with more than 50 supported languages of the world. Since 1999, it has been evolving into a very nice desktop to use and an interesting platform to develop on.

"GNOME 3 Application Development Beginner's Guide" is about developing GNOME 3 application with Vala and JavaScript programming languages. It guides the reader to build Gtk+, Clutter, and HTML5 applications on the GNOME 3 platform. It covers GNOME 3 specific subsystems such as data access, multimedia, networking, and filesystem. It also covers good software engineering practices such as localization and testing.

This book is full of step-by-step tutorials and ready to run codes. The examples are written in a simple and straightforward way to make it easier for the reader to get a thorough understanding of the topics.

The book starts with the installation of GNOME 3 and ends with building two exciting projects, a web browser and a Twitter client. The book starts from the basics and gradually talks about more advanced topics.

It then guides the readers in using the development environment starts from Anjuta IDE, Glade, and DevHelp. The essential GNOME 3 subsystems like GStreamer, GLib, GIO, GSettings, Evolutions Data Server, WebKit, and GNOME desktop are then uncovered one by one. Then the internationalization, localization, and unit testing techniques are brought up.

"GNOME 3 Application Development Beginner's Guide" is really a guide that a novice GNOME 3 application developer must not miss.

#### **Approach**

This book is a step-by-step guide with ready-to-run codes to guide you in developing applications with GNOME.

#### Who this book is for

If you have programming skill either in Linux or other operating systems and want to have GNOME 3 as one of your deployment targets, then this book is for you. This book is also for commercial software developers or an open source software hacker. The reader needs to be familiar with Vala and JavaScript before starting to develop Gtk+ and Clutter applications.

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