

PRO KDE

EVERYTHING YOU NEED TO
KNOW ABOUT KDE

PAUL MCQUADE

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Table of Contents

Licence	1
Preface by Paul McQuade	2
Acknowledgements	2
Developers	3
Source Code	3
Issues	3
Merge Requests	3
Thank You	3
Getting Started	4
About KDE	4
Software Development Life Cycle	5
Setup An KDE Account	5

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Preface by Paul McQuade

I began writing this book as a way to escape from the nightmare of Covid-19. As i write i wondered what can i do to make developing software easier on people. I realise that sharing my information about coding was to way to go.

I never wrote a book before and i had very little practical knowledge about KDE Plasma and KDE Frameworks. Writing a book would force me to think.

Acknowledgements

Dedications

I would like to thank my family - Peter, Breda, Caitriona and Caroline for their support down through the years especially when i was sick in hospital.

Developers

Source Code

This book is hosted on Gitlab.com under the following link:

<https://gitlab.com/paulmcquad/prokde>

Issues

If you have an issue about the book you want to raise it on gitlab.com Issues can be errata and content changes.

Merge Requests

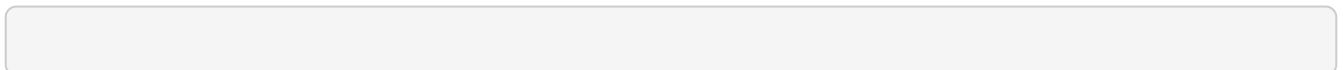
Pro KDE is always looking for developers. Feel free to submit patches through Gitlab Merge Requests.

In Gitlab go to: Left side Panel > Merge Requests > New merge request

Thank You

Since this is an Open Source book, I want to say a big thank you to the developers who have send in several errata and content changes. Here are all the people who have contributed to the English version of Pro KDE as an open source project.

Thank you everyone for helping make this a better book for everyone.



Getting Started

About KDE

KDE is an international team co-operating on development and distribution of Free, Open Source Software for desktop and portable computing. Their community has developed a wide variety of applications for communication, work, education and entertainment. They have a strong focus on finding innovative solutions to old and new problems, creating a vibrant, open atmosphere for experimentation.

KDE Projects

KDE Projects consists of three parts:

- KDE Plasma - A User Interface
- KDE Frameworks - A Collection of libraries and software frameworks
- KDE Applications - A list of Programs like Kate and Konsole

Development of KDE

A few images of process in action:

Table 1. Development of KDE



THE KDE CODE OF CONDUCT

When communicating in official KDE channels please observe the KDE Code of Conduct. Our Code of Conduct presents a summary of the shared values and common sense thinking in our community. The basic social ingredients that hold our project together include:

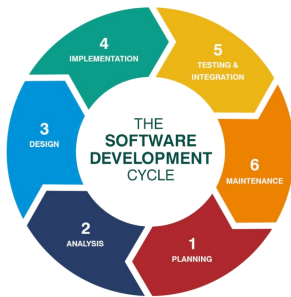
- Be considerate
- Be respectful
- Be collaborative
- Be pragmatic

Support others in the community Get support from others in the community The Code of Conduct can be found here : <http://www.kde.org/code-of-conduct/>

Software Development Life Cycle

The 6 steps to Software Development Life Cycle are:

1. Planning - Talk to other developers.
2. Analysis - Break the problem into smaller parts.
3. Design - Put a plan together and create mockups if needed.
4. Implementation - Write code.
5. Testing & Integration - Report and fix bug issues.
6. Maintenance - Apply patches and release software.



Setup An KDE Account

About KDE Identity Account

In order to submit merge requests with GitLab, you'll need a KDE Identity Account.

These can be registered using the self-service Identity site. As part of this process, you will need to provide a name and email address, which has to be your own. Please note that these details will be made publicly visible on Gitlab once you have logged in there. You may therefore receive some spam as an unfortunate consequence of this.

When selecting your username, please ensure you select something which has a relation to your real name.

A Developer Account is not needed to fork repositories and submit merge requests on Gitlab.

Also note that this email address should be the same one that you use on bugs.kde.org. If you don't have an account in bugs.kde.org, please create one so that it can be given usual developer rights. Closing bug reports with keywords in commit comments only works if the email address associated with your KDE Developer account and bugs.kde.org accounts match.

How to setup an KDE Identity Account

Register with KDE Identity Account at the following:

<https://identity.kde.org/>

Click Register > Accept KDE Code of Conduct > Fill in Name and Email

Identity will send an email called "Account activation on KDE Identity"

Something like this:

Hello {First Name, Last Name},

In order to activate your new account please follow the link below.
You will not be able to begin using your account on KDE Identity until you have activated your account.

If you did not request this, please inform the site administrator by replying to this email.

<https://identity.kde.org/index.php=LINK>

Thanks,
KDE Identity site administrators.

I removed the LINK details but you get the idea.