



The Problem Without Version Control





Introduction

- Before Git... developers had a big problem.
 - 🙌 How do you manage changes in your code over time?



Working Without Version Control

Imagine the chaos...

Every time you modify your code, you might:

Save a new file

Rename it like:

- project_v1
- project_v2
- project_final
- project_final_final 😊



⚠️ Or worse...

This creates chaos!

Problems

Lost Code	No Tracking	Can't Go Back	Hard to Collaborate
Important work gone.	What changed?	No way to revert.	Too much confusion.

No history, only confusion.



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20+ years of experience

Project Versioning as a Timeline

Visualizing your project...

Think of your project like a timeline:

- ✗ You only see the latest version
- ✗ All previous versions are lost or messy



With no structure, it's like:



Writing a book and deleting old chapters every time you edit

Mental Model



Insight



Insight

A simple way to remember the difference.

The real problem is **NOT** storing code...

➔ **The real problem is tracking change over time**

- ◆ Developers don't just write code — they constantly modify, fix, and improve it



Without tracking:

➔ Every change becomes risky



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Common Confusion



! Common Confusion

Some beginners think:

✘ "I can just use folders and file names"

But this fails because:

- ◆ It doesn't scale
- ◆ It's error-prone
- ◆ You cannot compare changes easily
- ◆ Collaboration becomes a nightmare



Rule


➔ If you can't track your changes, you can't trust your code.



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Wrap-up

- Now you understand the problem.
-  The next question is: How do developers solve this?
 - They need a Version Control System to Help Them.
 - But What is Version Control ? We will explain in the Next Lesson!





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THANK
YOU



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