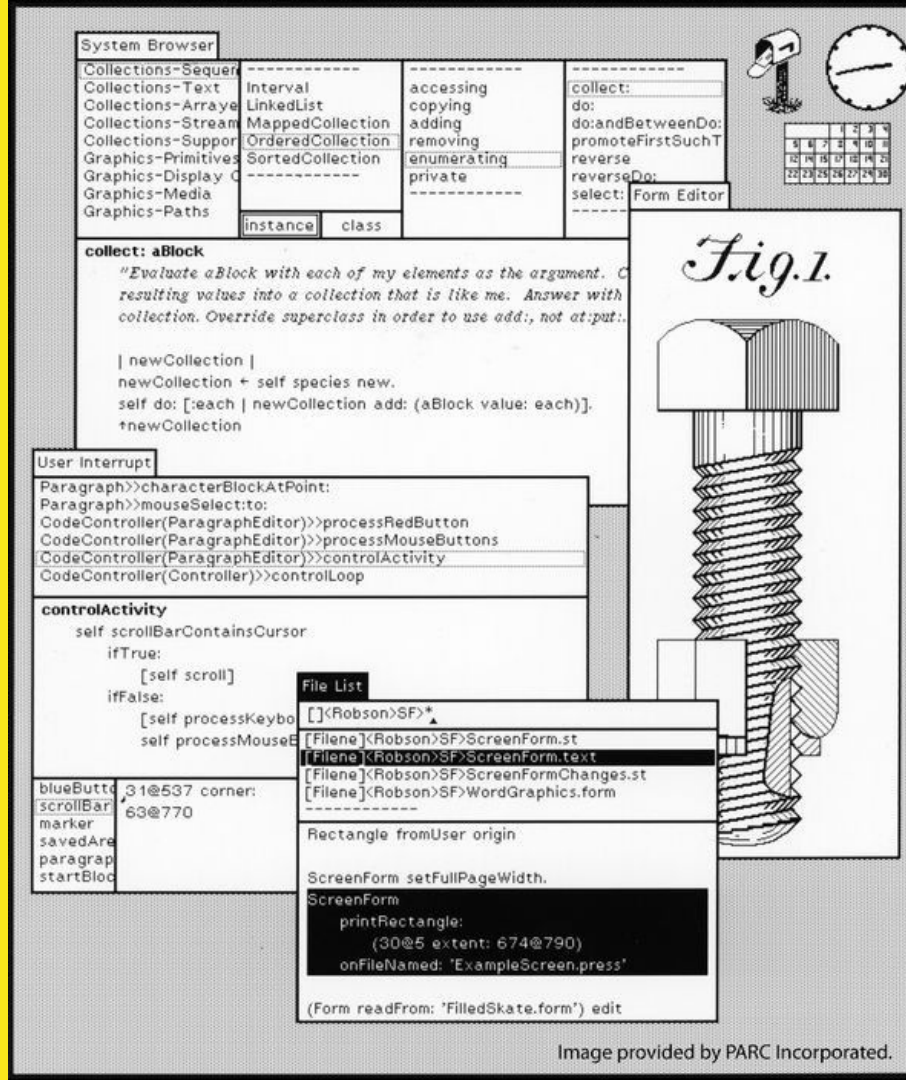


# Smalltalk

Voyage futuriste dans le passé

Tremplin Snowcamp 2024

Lionel Armanet



**Régis le  
stagiaire**

Référence

# CODER proprement

Robert C. Martin

Réseaux  
et télécom

Programmation

Génie logiciel

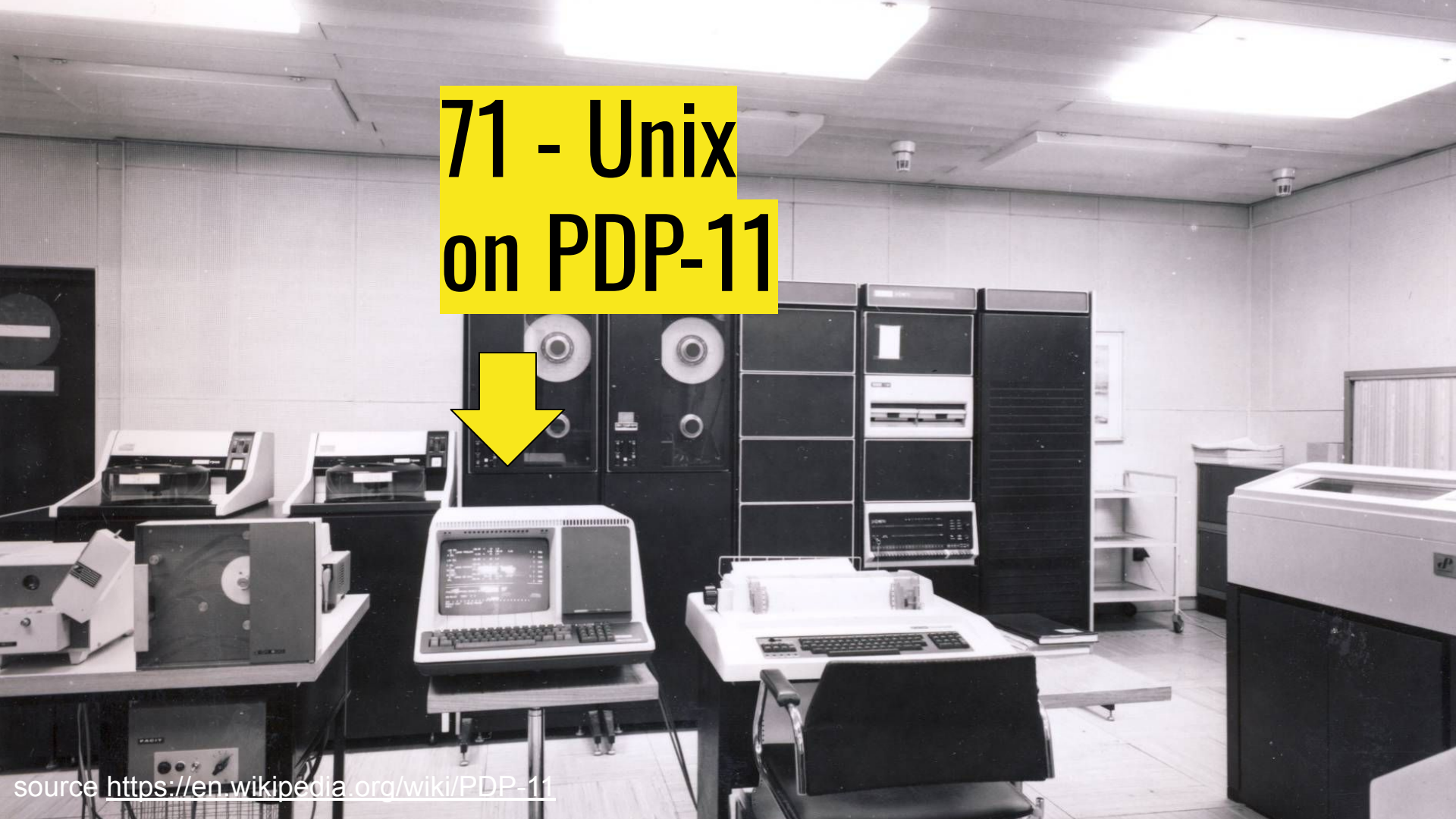
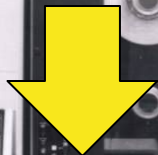
Sécurité





**Welcome  
to  
the 70's**

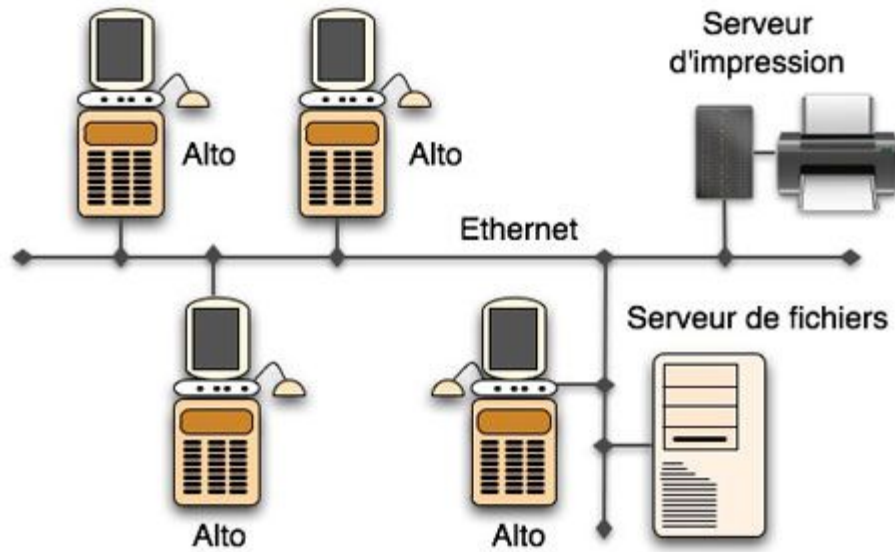
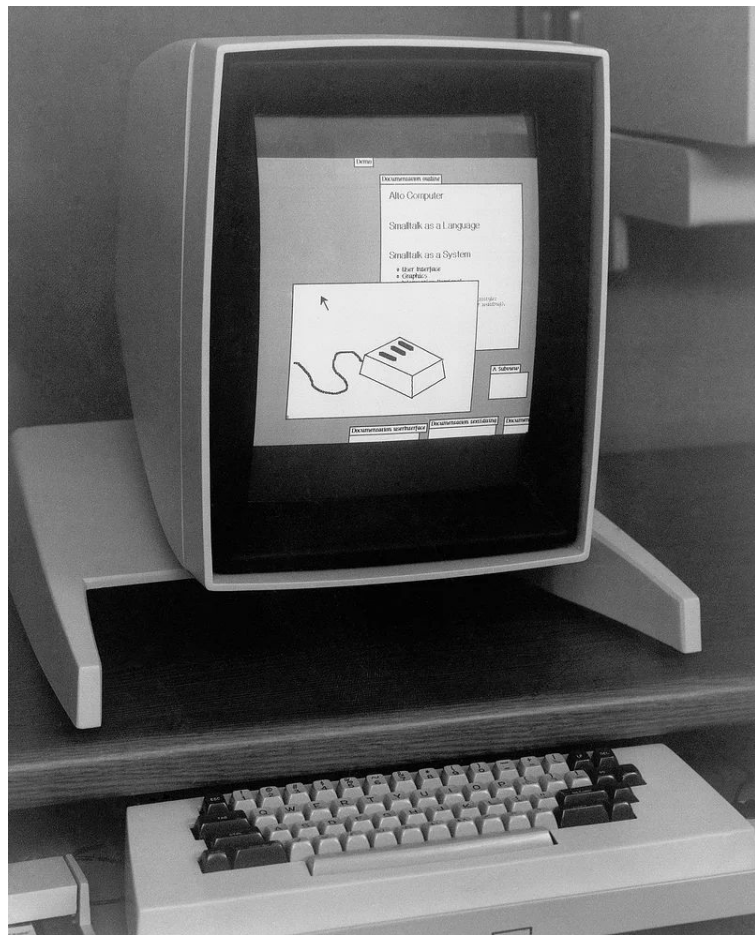
# 71 - Unix on PDP-11







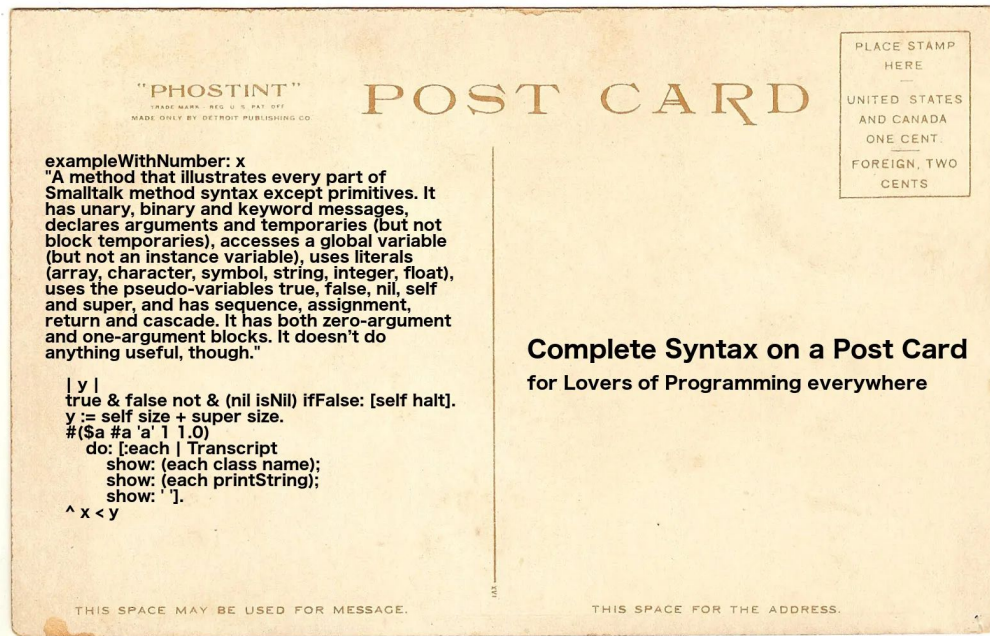
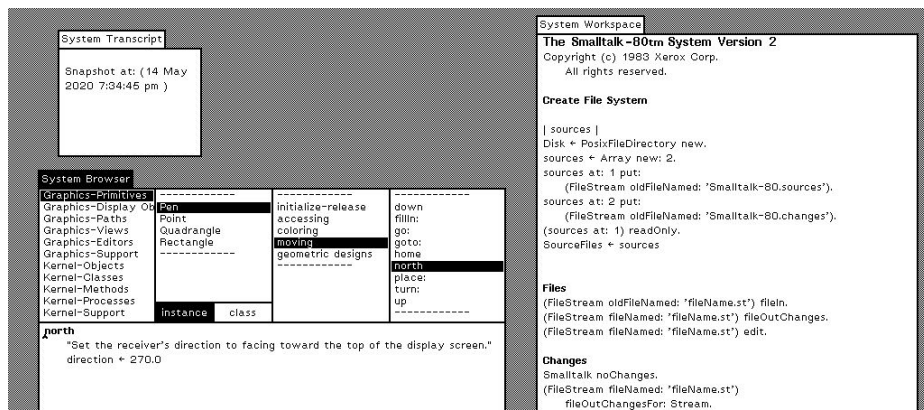
**70's at  
XEROX PARC**





# Smalltalk

- POO
  - Encapsulation
  - Envoyer un message
  - Répondre à un message
- Métaphore du monde qui nous entoure
- “Always-on”, simple, IDE



A close-up, high-angle shot of a large pile of ripe red apples. The apples are tightly packed, filling the entire frame. They have a vibrant red color with some yellowish-green highlights near the stems, suggesting they are ripe. The lighting is soft, creating a warm and inviting atmosphere.

**80's  
Think  
different?**



# 81 Xerox Star



# 83 Apple Lisa



“

Well, Steve [Jobs]... I think it's more like we both had this rich neighbour named Xerox and I broke into his house to steal the TV set and found out that you had already stolen it.

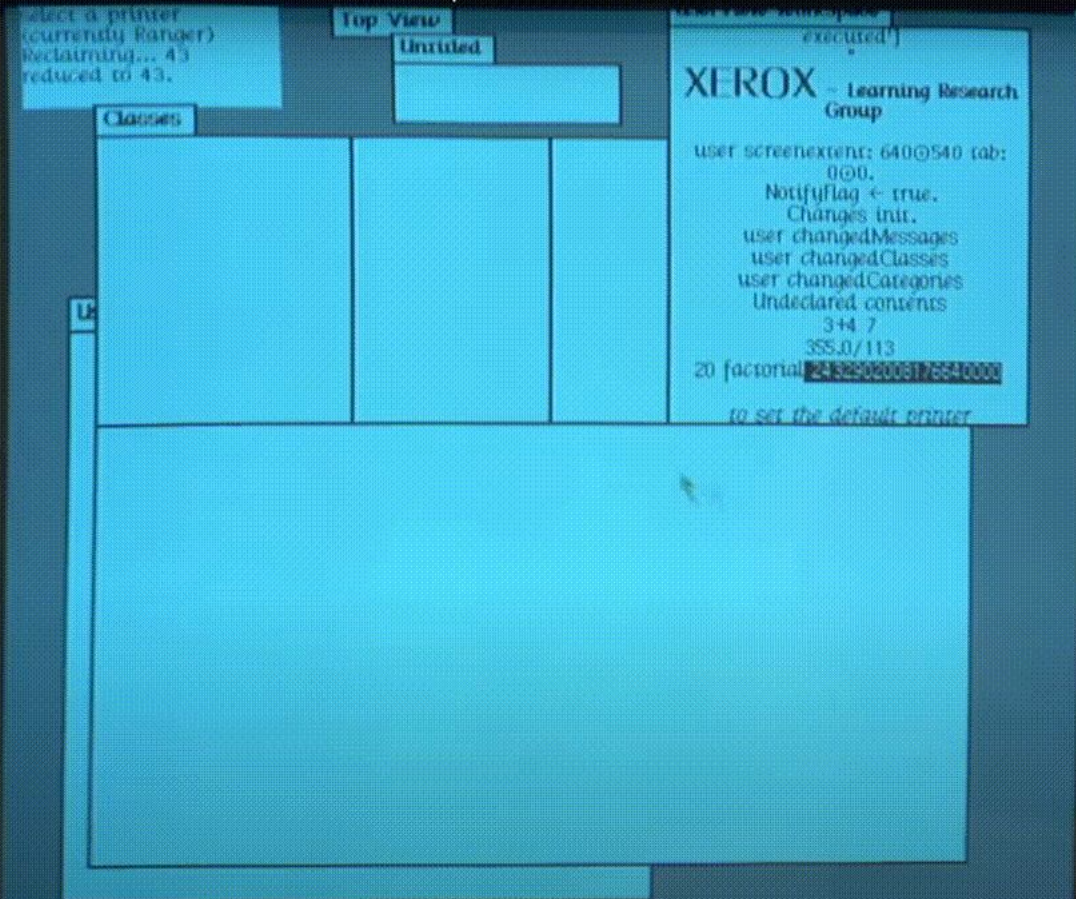
---

BILL GATES

A close-up photograph of Tom Cruise holding a black mobile phone to his ear. He has a very intense, angry expression on his face, with his mouth wide open as if shouting. His brow is furrowed, and his eyes are squinted. He is wearing a light blue button-down shirt. The background is out of focus, showing what appears to be an office or a modern building interior with large windows.

**SHOW  
ME THE  
MONEY!**





47



```
true ifTrue: [ 42 ] ifFalse: [ 72 ] .
```

*object*  
(*class **True***)



```
true if True: [ 42 ] if False: [ 72 ] .
```



```
true ifTrue: [ 42 ] ifFalse: [ 72 ] .
```

*message*  
(class **Message**)

*object*  
(class **Block**)

*object*  
(class **SmallInteger**)

true ifTrue: [ 42 ] ifFalse: [ 72 ] .

70's

Universal metaphor

Ubiquitous

Baby steps

Red-Green development

Simple & fluent

Extensible

Environment

DDD

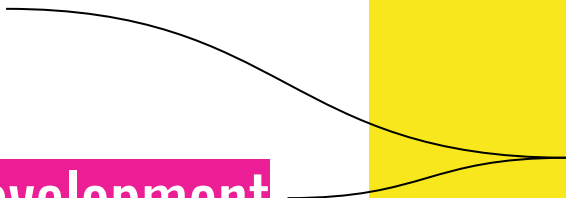
TDD

Clean code

SOLID

IDE

Now





# Régis le stagiaire

challenge “l’anormal”  
apprendre de tous  
apprendre du passé

Everyone thanksForAttending.



*object*  
(instance of **Something class**)



```
Something new.
```



*a Something*



*object*  
(instance of **Something** *class*)



```
Something new.
```



*a Something*

```
Something blue.
```



*a Something*

*object*  
(*class **Symbol***)



```
Object subclass: #MyClass
```

```
    instanceVariableNames: 'var1'
```

```
    classVariableNames: ''
```

```
    poolDictionaries: ''
```

```
    category: 'Demo'.
```

Beck pioneered [software design patterns](#), as well as the commercial application of [Smalltalk](#). He wrote the [SUnit unit testing](#) framework for Smalltalk, which spawned the [xUnit](#) series of frameworks, notably [JUnit](#) for Java, which Beck wrote with [Erich Gamma](#). Beck popularized [CRC cards](#) with [Ward Cunningham](#), the inventor of the wiki.

[https://en.wikipedia.org/wiki/Kent\\_Beck](https://en.wikipedia.org/wiki/Kent_Beck)