



**APP**

**DEVELOPMENT**

PEOPLE HAVE ENEMIES.

APP DEVELOPERS HAVE BUGS.





# History of Applications

HOW IT STARTED, WHAT IT IS,  
HOW IT DEVELOPS



# TIMELINE

1983

## APP DEVELOPMENT

App development started sometime in 1983 when Steve Jobs created a basic version.

Since then, it has evolved with technology to streamline business processes

TODAY

## STATISTICS

Mobile apps have been the big picture in recent years.

In fact, statistics show that 21% of millennials open an app more than 50 times a day.

By the end of 2022, the Apple App Store has 4.56+ million apps and games available, and the number of apps on the Google Play Store has reached 3.57+ million

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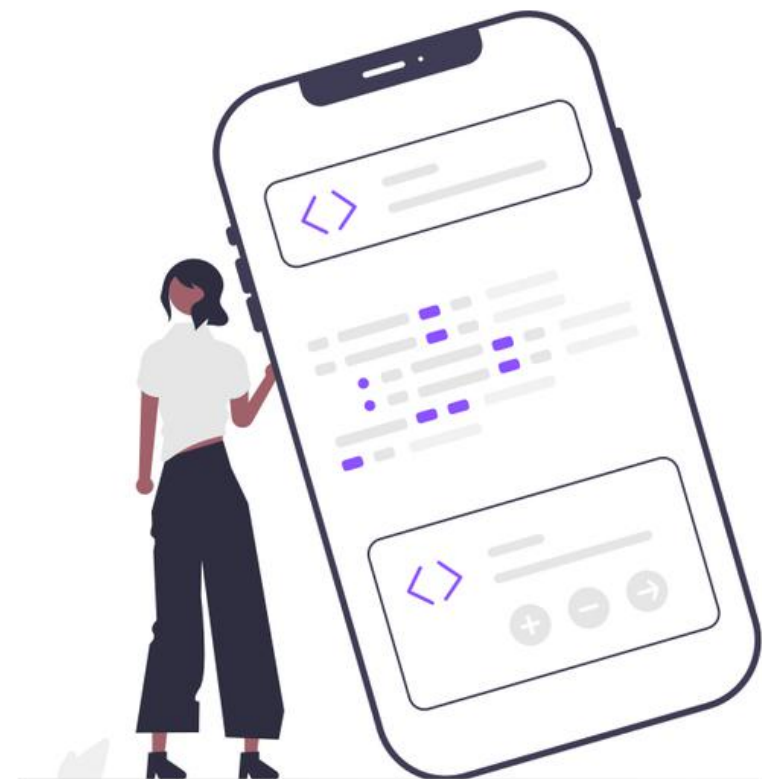
By the end of 2022, the Apple App Store has 4.56+ million apps and games available, and the number of apps on the Google Play Store has reached 3.57+ million



Therefore, it stands to reason that your app should stand out if a lot of people want to download it. In the end, the majority of technology projects require and result in the development of applications.

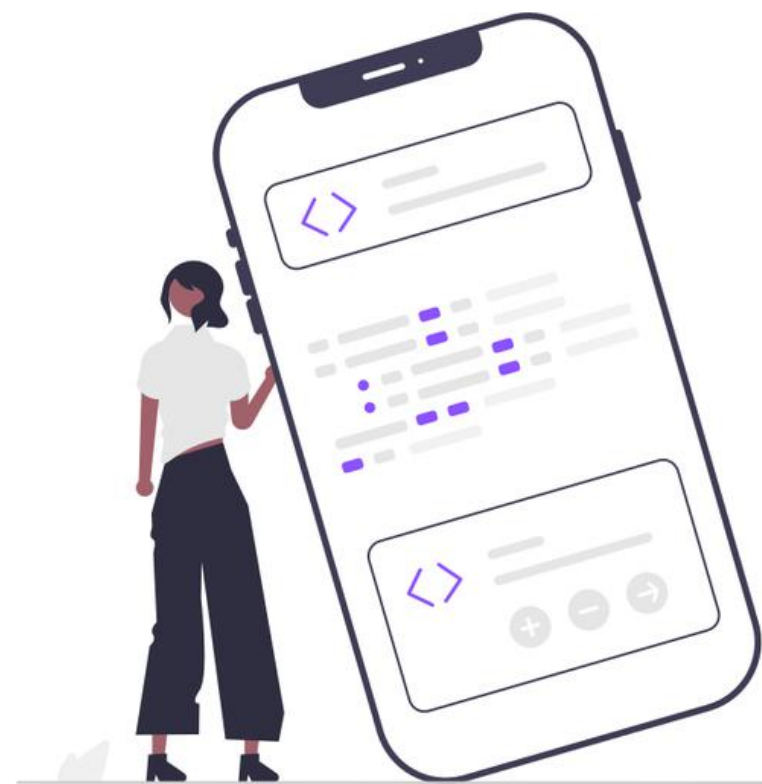


But... What is APP  
Development?





## But... What is APP Development?



Simply put, app development is the **process** in which developers create an application to be used on smartphones, tablets, and other digital devices.

While app development sometimes involves creating a **web-based app** or a **desktop version** of the app, the majority of app development projects are developed on mobile and tablet devices.

# APP Types

There are many types of apps created by developers, including:

- 1 **NATIVE APPS**
- 2 **HTML5 APPS**
- 3 **HYBRID APPS (CROSS-PLATFORM)**



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A typical application uses a network connection to work with remote computing resources.





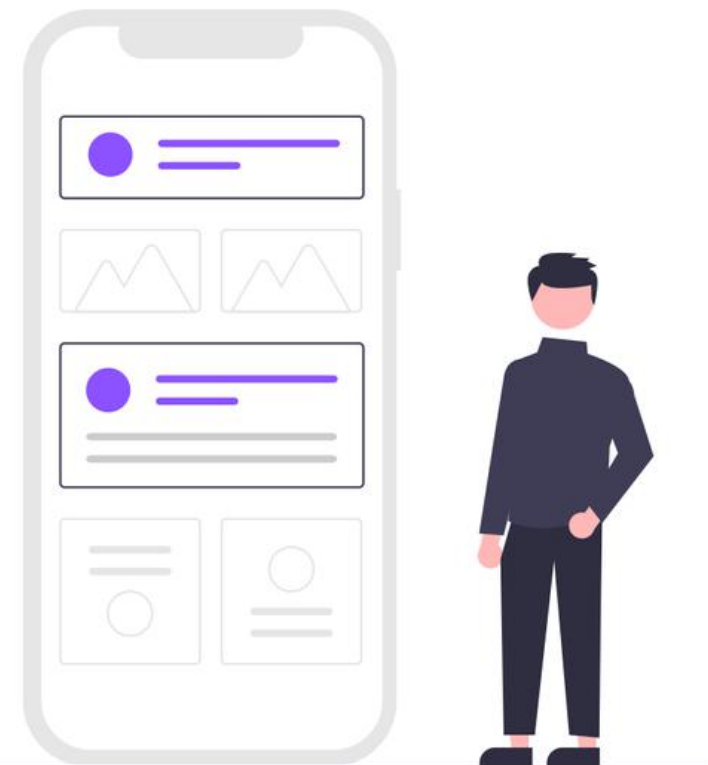
# Cross-Platform & Progressive Web APP

WHY IS IT SO IMPORTANT?



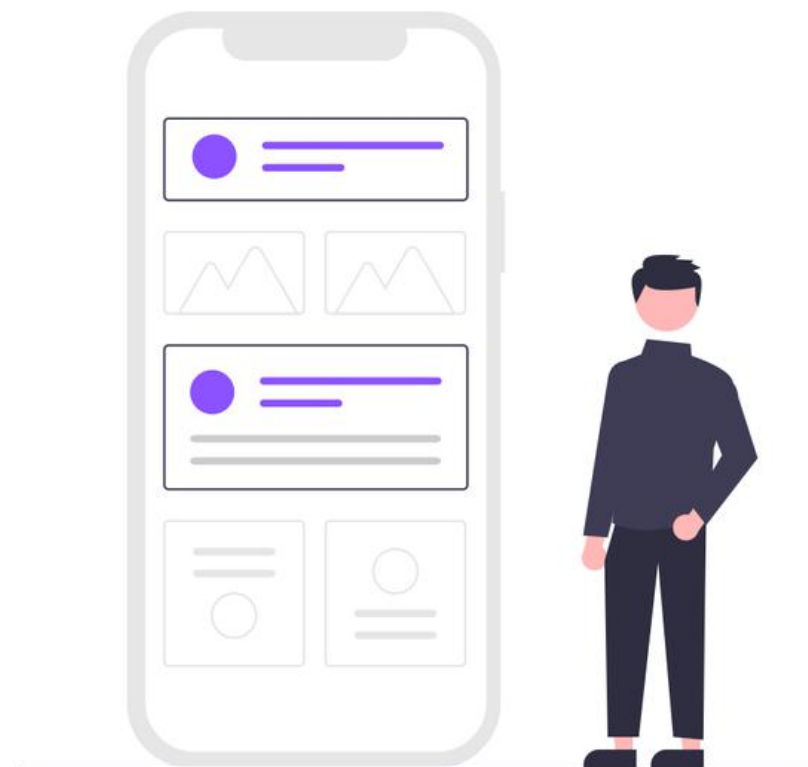


What are Cross-Platform applications?





# What are Cross-Platform applications?



The importance of Cross-Platform application technology has become increasingly popular in recent years.

This technology allows developers to write code just once before releasing it across all platforms and media, including iOS, Android, Windows and the Web.

# Cross Platform Description



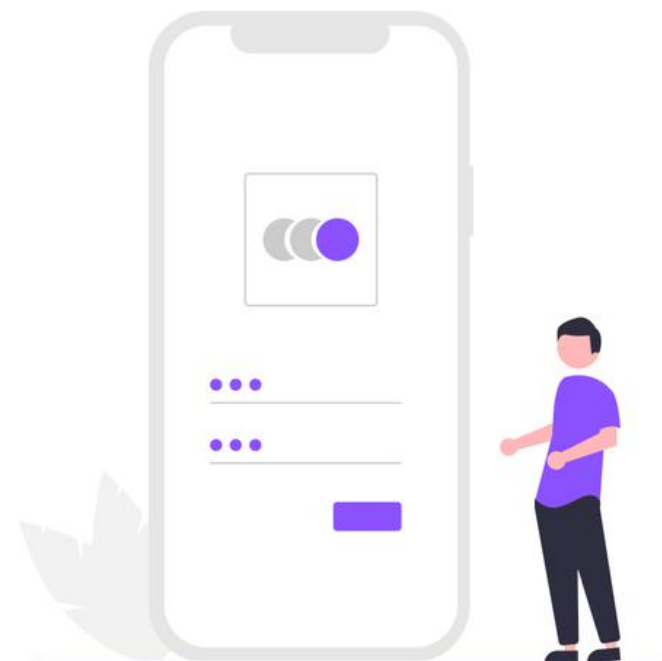
This means that instead of writing new code for each individual platform, app developers can reuse the same code



- time saving
- reduction of repetitive tasks



What is a Progressive  
Web App(PWA)?



# PWA



# What is a Progressive Web App(PWA)?

A Progressive Web App, or Progressive Web App, is a type of web-delivered application software built using common web technologies such as HTML, CSS, JavaScript, and/or WebAssembly

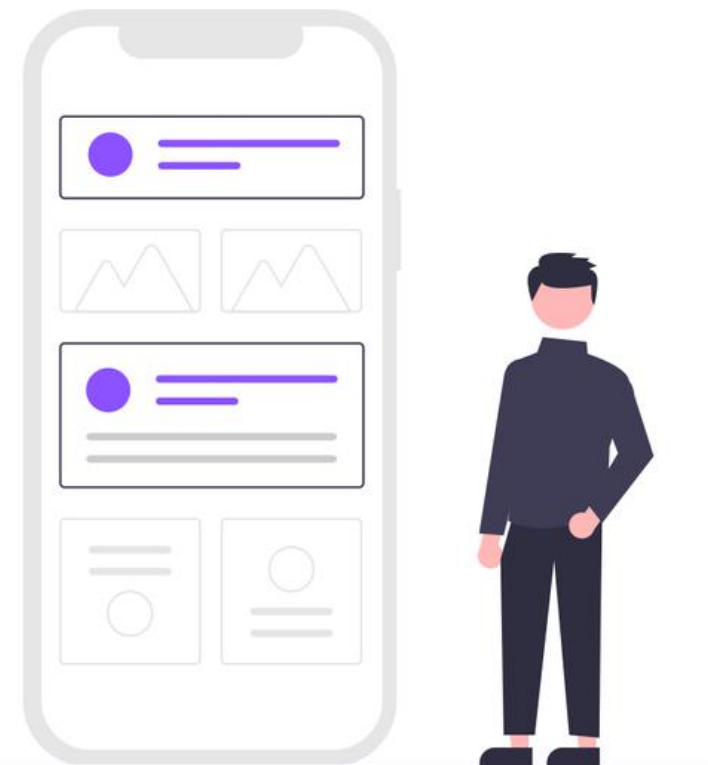


More specifically, PWAs largely replace the need to create custom and directive code.

They are web applications that are designed to be capable, reliable and installable.



How do we make a PWA?



**HTML**



## 1 – Body

- Controls the layout of the content
- It provides structure for the design of the Website
- A fundamental building block of any Web App

How do we make a  
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How do we make a PWA?

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**CSS**



## 2 – Design

- Applies style to HTML elements
- Adapts the app to different screen sizes
- Manages the "Look & Feel" of a PWA

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**JavaScript**



## 3 – Interactivity

- Adds interactivity to a PWA
- Handles complex functions and features
- Language that introduces potential

# QUESTIONS



**STE(A)M PARTNERSHIPS**

**Education Resilience in Europe**

SCIENTIX  
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