

# UTT TECHNOLOGICAL UNIVERSITY OF TIJUANA

Santillan Galaviz Ken Antonio  
Progressive web apps.  
Dr. Ray Brunet Parra Galaviz.  
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*Index Terms—*

## I. INTRODUCTION

**I**N the realm of software development, various types of applications cater to diverse user needs. Web applications, service-oriented web applications, mobile applications, and cross-platform applications each possess unique characteristics and functionalities. Progressive Web Apps (PWAs) represent a convergence of web and mobile applications, offering enhanced user experiences. This task aims to explore and recognize the distinctive features of these application types and delve into key concepts surrounding Progressive Web Apps.

## REFERENCES

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- [3] Fernández, C. (2023, 15 febrero). Apps multiplataforma. Qué son y características. ABAMobile. <https://abamobile.com/web/apps-multiplataforma-que-son-y-caracteristicas/>

### WEB APPLICATIONS:

- Run in a web browser.
- Accessible through a URL.
- Do not need to be downloaded or installed.
- User interface similar to desktop applications.

### SERVICE-ORIENTED WEB APPLICATIONS:

- Use web services to access functionalities.
- Interact with servers to retrieve data and perform actions.
- Greater integration with external services.

### MOBILE APPLICATIONS:

- Specifically designed for mobile devices.
- Downloaded and installed from app stores.
- Can access specific device features (camera, GPS, etc.).

### CROSS-PLATFORM APPLICATIONS:

- Developed to run on different operating systems.
- Use technologies enabling execution on multiple platforms.

### PROGRESSIVE WEB APPS (PWAS):

- Combine features of web and mobile applications.
- Can function offline.
- Can be installed on the user's device.
- Provide a user experience similar to native apps.