

# Processus de Développement des Apps Mobiles



# Processus de Développement des Apps Mobile

## Strategy & Planning

Define strategic goals, identify requirements, build team structure and create a product roadmap

## Product design

Create a seamless, effortless user experience and a unique, shining user interface

## App development

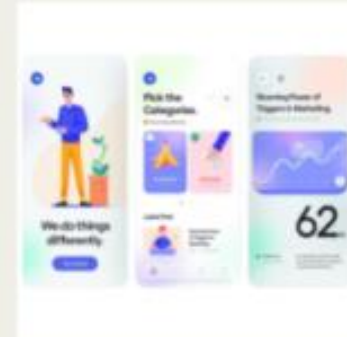
Develop back-end, front-end, APIs and more that needed for your app to function effectively

## Testing & Deployment

Perform testing to assure quality and launch your app on the Apple and Google App stores.

## Support & Maintenance

Ongoing update, health check and improve performance to keep your app performing at its best.



# What is the mobile app development process?

1. **Define your strategy** based on the answers to these questions:

- What is the objective of your app? What problems will it solve?
- Are there existing apps that perform this function? If so, what do they do well? What are they lacking?
- Who is the app designed for?
- Will you be hiring developers or using an internal team?
- What is your business model?
- How much are you willing to invest in developing this app? Will you have investors?
- How long will it take to build this application?
- What is your marketing strategy?
- Are you designing your app for one of the app stores? If so, do you have the necessary licensing agreements and design and testing criteria?

# What is the mobile app development process?

**2. Select your team.** If you're creating this app on your own, do you need to hire a developer? A marketing person? If you're creating this app for your organization, will you have stakeholders from several departments participating in the process (i.e., C-level, marketing, sales, IT)?

# What is the mobile app development process?

**3. Brainstorm and sketch** out how your mobile app will solve the problems you've identified and what features and functions you'll include. Prototyping can be as simple as using a whiteboard or paper to sketch ideas, or tools such as InVision, Balsamiq or Adobe Experience Design. Keep user experience in mind when developing your vision. This includes such things as design, usability, security and performance.

# What is the mobile app development process?

**4. Develop your product roadmap** using findings from the previous step.

This will enable you to create a step-by-step process for assessing your priorities and deliverables.

# What is the mobile app development process?

5. **Select app development tools** based on your requirements.

# What is the mobile app development process?

**6. Begin app development.** An agile process is best for building apps. Adopt a DevOps mindset when building the app. DevOps is a modern delivery methodology that uses key functions, such as:

- applying automation where possible;
- using cloud services;
- working with open source tools;
- frequently communicating with the team; and
- continuously testing the code.



# What is the mobile app development process?

**7. Create your prototype** so you can share the app with your investors or other stakeholders. Use their feedback to refine app development and further testing. This includes testing for functionality, performance and ease of navigation.

# What is the mobile app development process?

**8. Once the app passes these tests**, it's time to roll it out to users for official beta testing. This process includes multiple rounds of review and incorporating user fixes prior to creating a deployable version of your app.

# installation d'Android Studio avec le support de Kotlin

- **Étape 1** : Téléchargement d'Android Studio
  - [developer.android.com/studio](https://developer.android.com/studio).
- **Étape 2** : Installation d'Android Studio
- **Étape 3** : Configuration d'Android Studio
- **Étape 4** : Vérification de l'installation de Kotlin

# Activity

Cette activité se porte sur la création d'une interface d'une application mobile pour la sensibilisation et l'engagement des étudiants à la protection environnementale de leur université. Cette application intitulé « **Sharik** »; vise à mettre en pratique la technologie civique à l'Université Ibn Khaldoun de Tiaret. Il a pour but de faire émerger de nouvelles idées d'exercice de la protection environnementale en s'appuyant sur le numérique. La solution proposée par les étudiants consiste à concevoir des solutions technologiques et créatives qui contribueront à améliorer la participation des étudiants de notre faculté à la vie civile du pays afin de favoriser l'émergence d'une action participative.

# Thank you !

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