

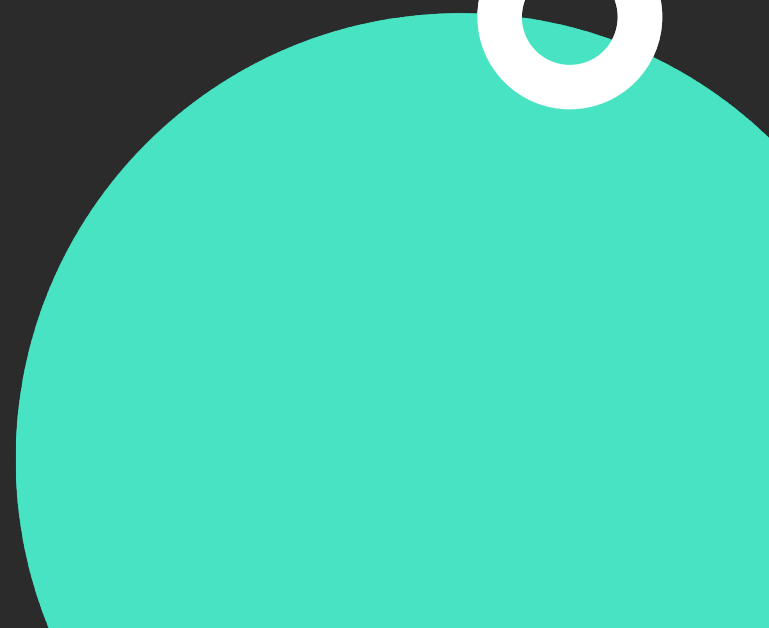


Triggering In-App Updates: Using Firebase Remote Config in Android



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Overview

- . What are **In-App Updates**?
- . **Flexible** vs. **Immediate** updates
- . Implementing **In-App Updates**
- . **Play Developer API** overview
- . Setup **Firebase** account
- . Utilizing **Firebase Remote Config** as a trigger
- . Testing **In-App Updates**
- . Coding **Challenge**



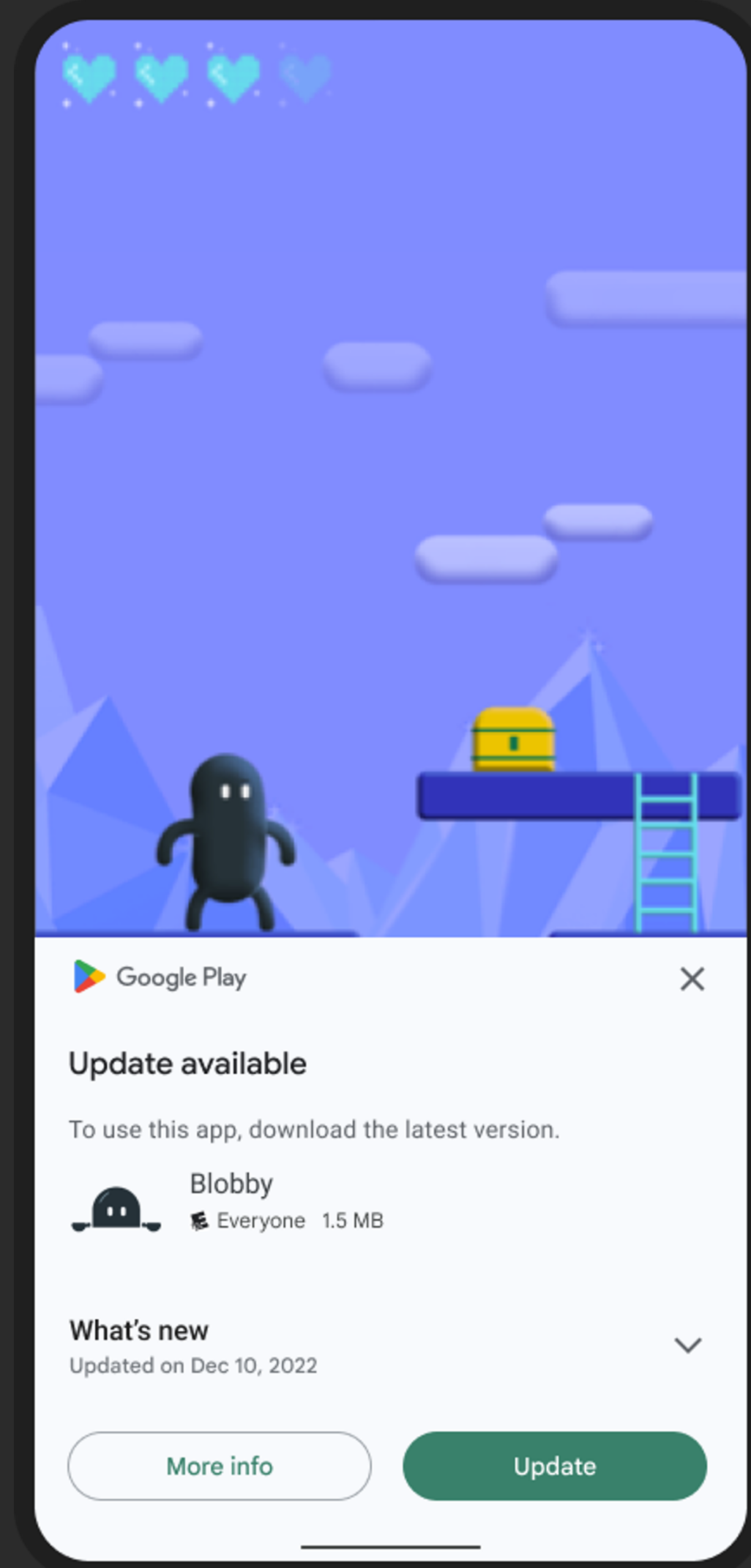


What are In-App Updates?



What are In-App Updates?

- Delivers new features and bug fixes without reinstalling
- Allows users to stay within the app and trigger updates
- Are typically smaller than full app updates and faster
- Can be triggered manually or automatically
- Can be used to update any part of the app
- Can prevent users from using outdated versions





Flexible vs. Immediate updates



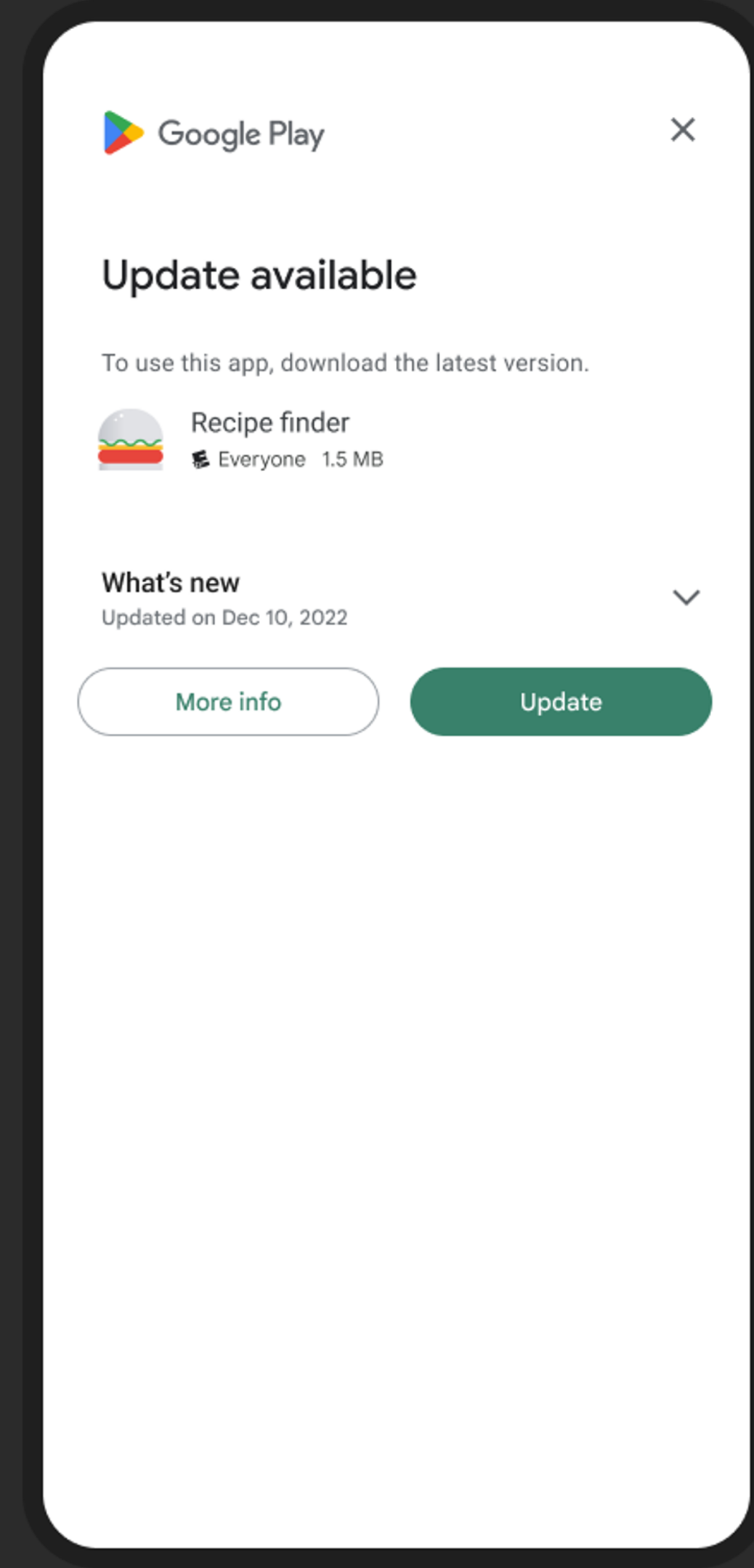
Flexible vs. Immediate updates

Flexible

- Can be downloaded in the background
- The user can continue using the app

Immediate

- Can force the user to update before continuing
- Help reduce technical debt by keeping app versions up-to-date





Implementing In-App Updates

Up Next





Play Developer API overview



Play Developer API overview

- Setup is a bit complex and can be time consuming
- Uses an integer value between 0 and 5
- All newly added versions are considered the same priority as the release
- Use `Edit.tracks` to set the priority
- `updatePriority()` Can be used to check the app update priority

```
{
  "releases": [{
    "versionCodes": ["88"],
    "inAppUpdatePriority": 5,
    "status": "completed"
  }]
}
```





Setup a **Firestore** Account





Use **Firestore Remote Config** as a trigger

Up Next





Testing In-App Updates





Code Challenge





Coding Challenge Solution☀



Summary

- . What **In-App Updates** are
- . The difference between **Flexible** and **Immediate** updates
- . How to implement **In-App Updates**
 - Getting update info and availability
 - Checking update priority
 - Triggering flexible and immediate updates
 - Handling update results
 - Handling cancelled updates
 - Prevent reoccurring flexible update dialogs



Summary

- . Have an overview of the [Play Developer API](#)
- . Setup [Firebase](#) account
- . How to use [Firebase Remote Config](#) to trigger an immediate or flexible update
- . How to test [In-App Updates](#) using [internal app sharing](#)
- . Coding **Challenge**





Thank you



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