

# Requirements

## 1) Collecting Requirements

- Create and edit text-based notes.
- Attach photos.
- Capture hand-drawn sketches.
- Allow protected/sensitive notes.
- Sync app data to Dropbox, iCloud, or Google Drive

## 2) Functional Requirements

- We need to build a note-taking app. Users can create and edit text-based notes.
- A note may also include images or hand-drawn sketches.
- Sensitive notes can be protected from prying eyes using a password.
- The app automatically uploads changes to pre-configured servers.
- The app should support all major platforms: Dropbox, iCloud, or Google Drive

## 2) NonFunctional Requirements

- Release our app for Android first. We'll support Android 9 and newer versions.
- The app needs to run on the Android Phone & Tablet
- We'll create a dedicated support website and include the link in the app description and its "About" page.

# User Storys

## Note Creation and Editing (epic)

- As a user, I want to create and edit notes so that I can quickly jot down my thoughts.
- As a user, I want to attach photos to a note so that I can keep my memories in one place.
- As a user, I want to add handwritten sketches so that I can insert funny toons into my notes

## Privacy (epic)

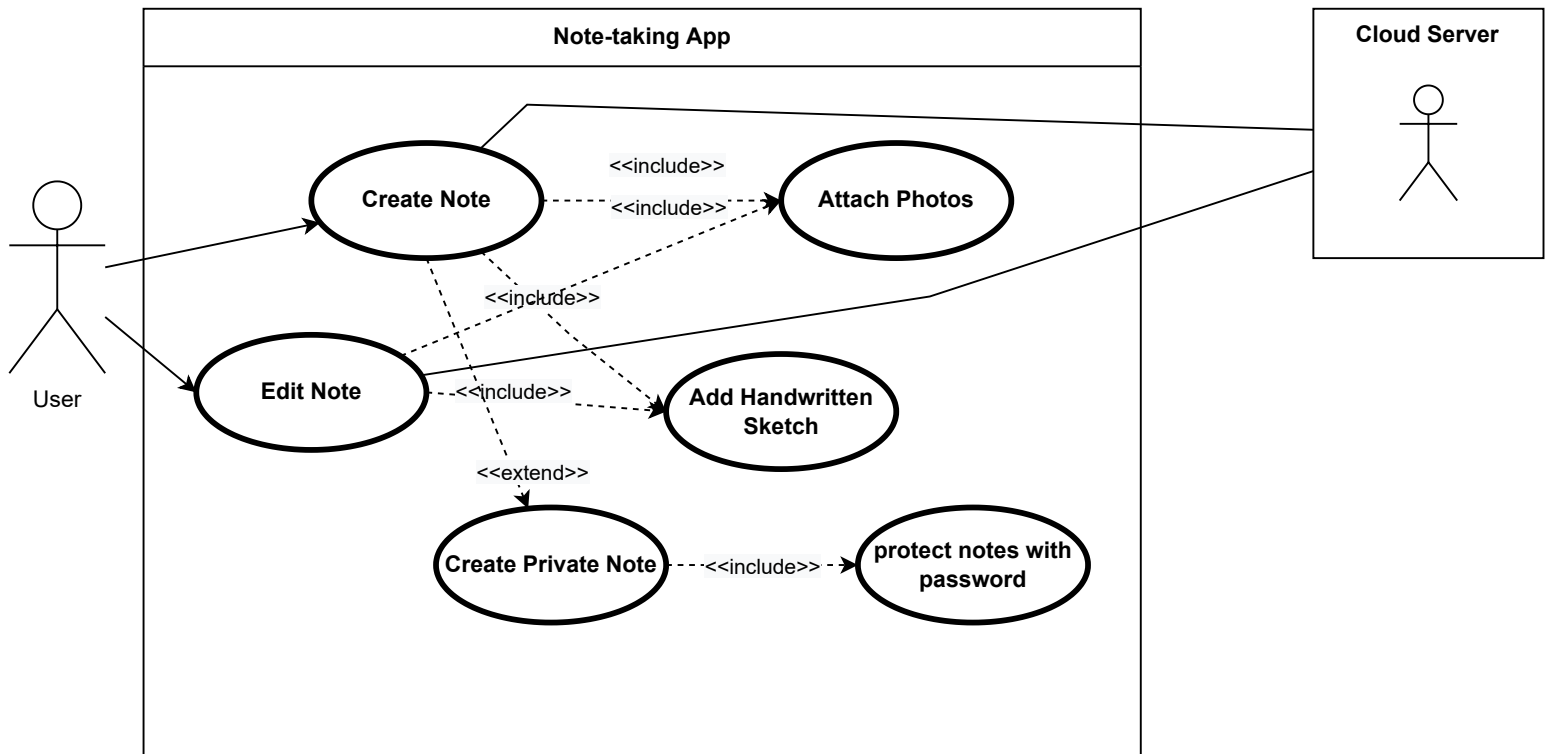
- As a user, I want to create private notes so that only I can access them.
- As a user, I want to protect my sensitive notes with a password.

## Syncing to cloud servers (epic)

- As a user, I want to sync my notes across my Android devices so that my data is up-to-date on all of them.
- As a user, I want my notes automatically uploaded to cloud servers so that I have a backup of all my data

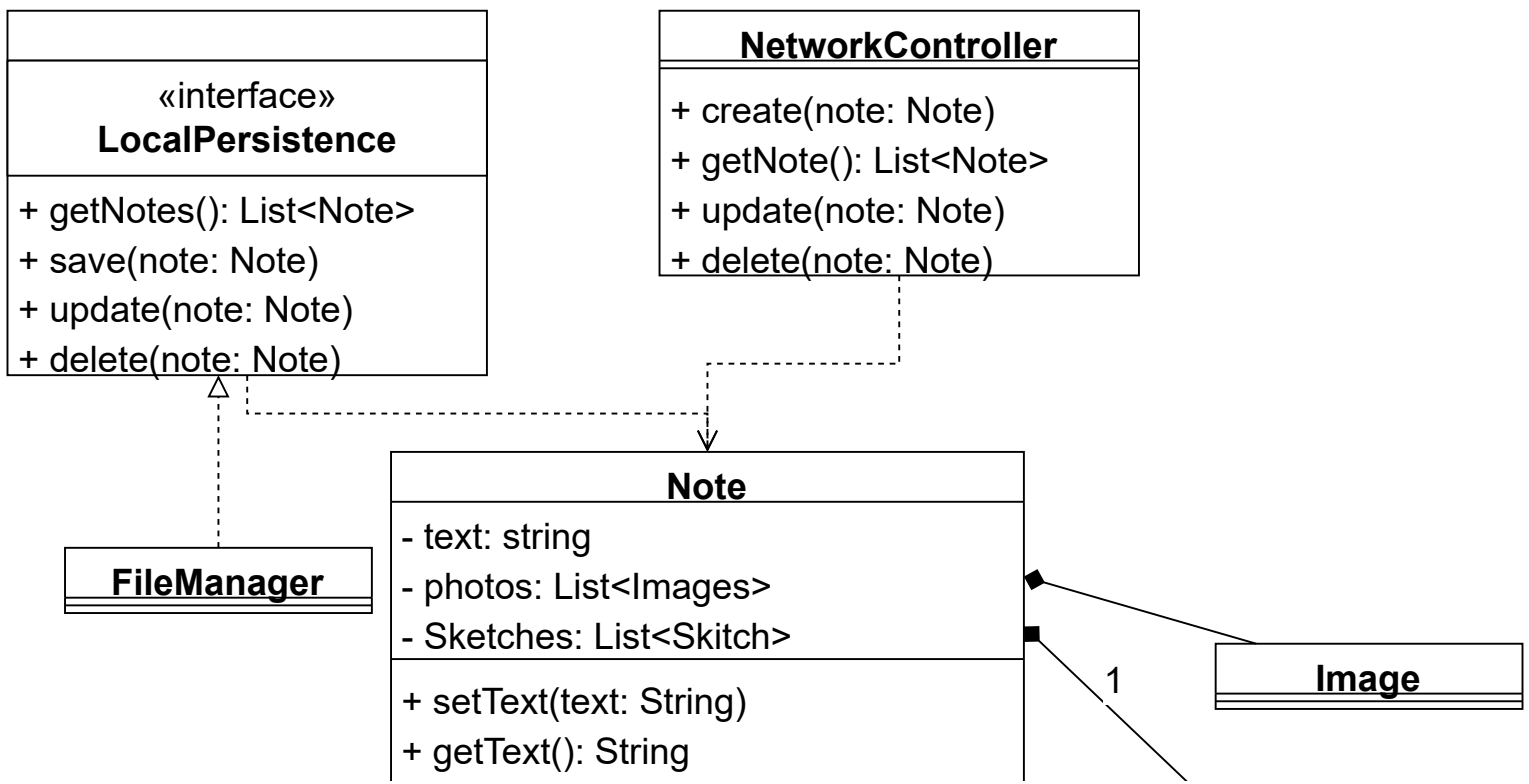
## ----- Note Diagrams -----

### Use-Cases Diagram



Keep your user case diagrams clean and simple !

### Class Diagram



```

+ addImage(image: Image)
+ getImages(): List<Image>
+ addSketch(sketch: Sketch)
+ getAllSketches(): List<Sketch>

```

0...\*

**Sketch**

```

PrivateNote
- passwordHash: String

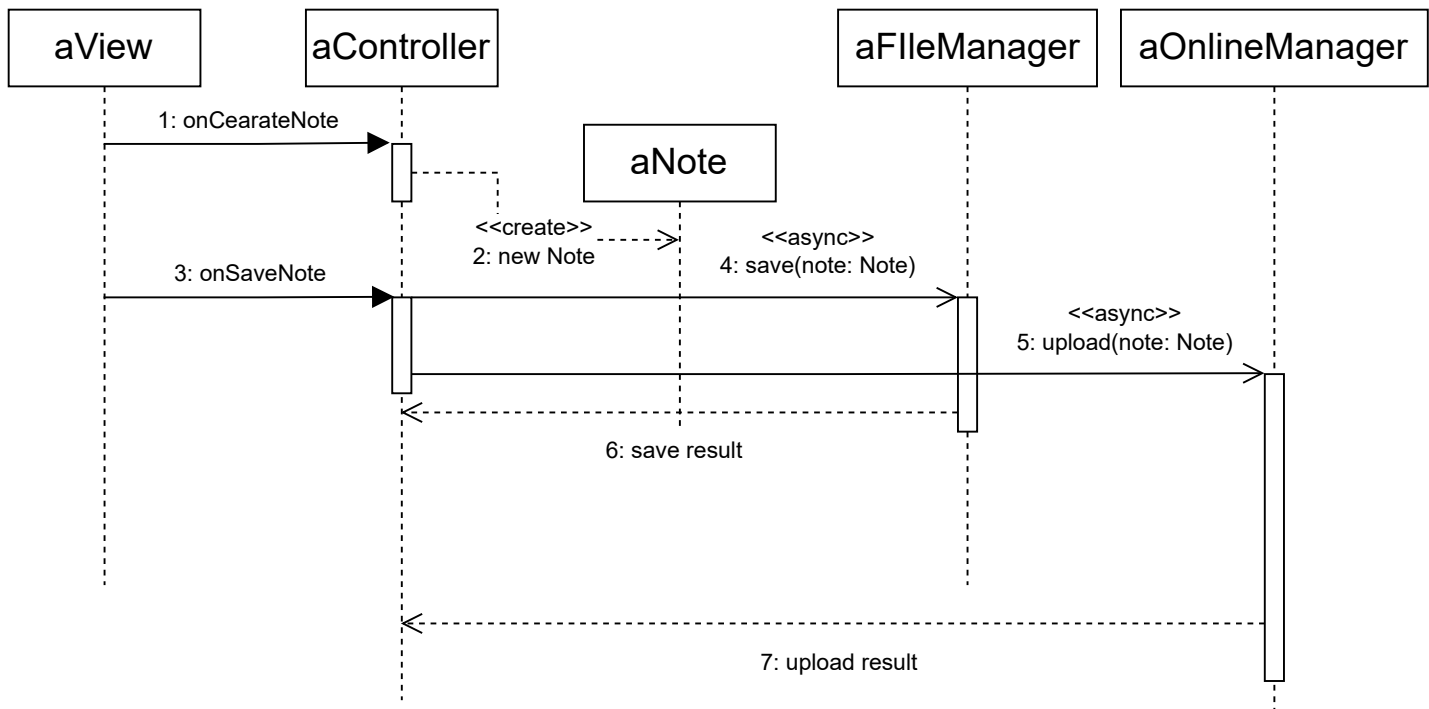
```

```

Crypto
+ hash(input: string): String

```

## Sequence Diagram



## Statechart Diagram

