First Flutter App

(An *actual* app)

TJMAD

📌 Announcements!

→ **[NEW]** Lecture files & resources hosted at **https://github.com/tjmadclub/lectures**
- ○ **IF YOU HAVE NOT INSTALLED ANDROID STUDIO OR FLUTTER,**
  - ■ Go to the link above and read the **installation.md** file within the **resources** folder

→ **NavTJ Pilot Program**
- ○ Want to get involved in the club quickly? This is your opportunity!
- ○ Looking for students to test out our app and give **QUALITY FEEDBACK**
- ○ Talk to an officer sometime during the meeting if you're interested and we'll put you in a GC

→ **Steamology**
- ○ Service work opportunity (build that resume!)
- ○ Large STEM program for underprivileged students (FLL, Hour of Code, etc.)
- ○ Still a work in progress, will keep you all updated

→ **StudyBuds**
- ○ Looking for **developers**
- ○ Reach out to **Elijah** (Founder of StudyBuds) or an officer for more information

Recap

Quick Recap:

→ Widgets define the UI of your application
  ○ There are Stateless & Stateful widgets
→ Navigation is accomplished via the Navigator object
  ○ Navigator is a stack -> push(), pop()
→ Images
  ○ Assets go in pubspec.yaml
  ○ Image.network() or Image(image: type)
    ■ where type = NetworkImage(path) or AssetImage(path)

Planning

→　　Think of an idea for your first Flutter app

→　　This can be very simple (probably should be simple)

→　　Examples:
- Random Number Generator
- **Image Gallery**
- To-do List

Sample App

Image Gallery App

- Pretty simple/easy to do

- What would it require?

    - App bars
    - Buttons
    - Images

Mini Contest

→ Create a Flutter app

→ Needs some interactivity

→ *Optional*: add more than 1 page (using Navigator)

→ Stateful & Stateless Widgets

→ **Be creative!**

Useful Links:

https://docs.flutter.dev/ui/widgets - **Widget Catalog**

https://docs.flutter.dev/cookbook - **Flutter Cookbook**

https://dart.dev/language - **Dart Lang Fundamentals**