

WHAT IS...

FINAL PROJECT

**what to do and
what not to do**

Fab Academy 2025 Students Bootcamp
Miriam Choi

OUTLINE

P.01 | **what is Final Project**

P.02 | **What's Good?**

P.02.01 | Project

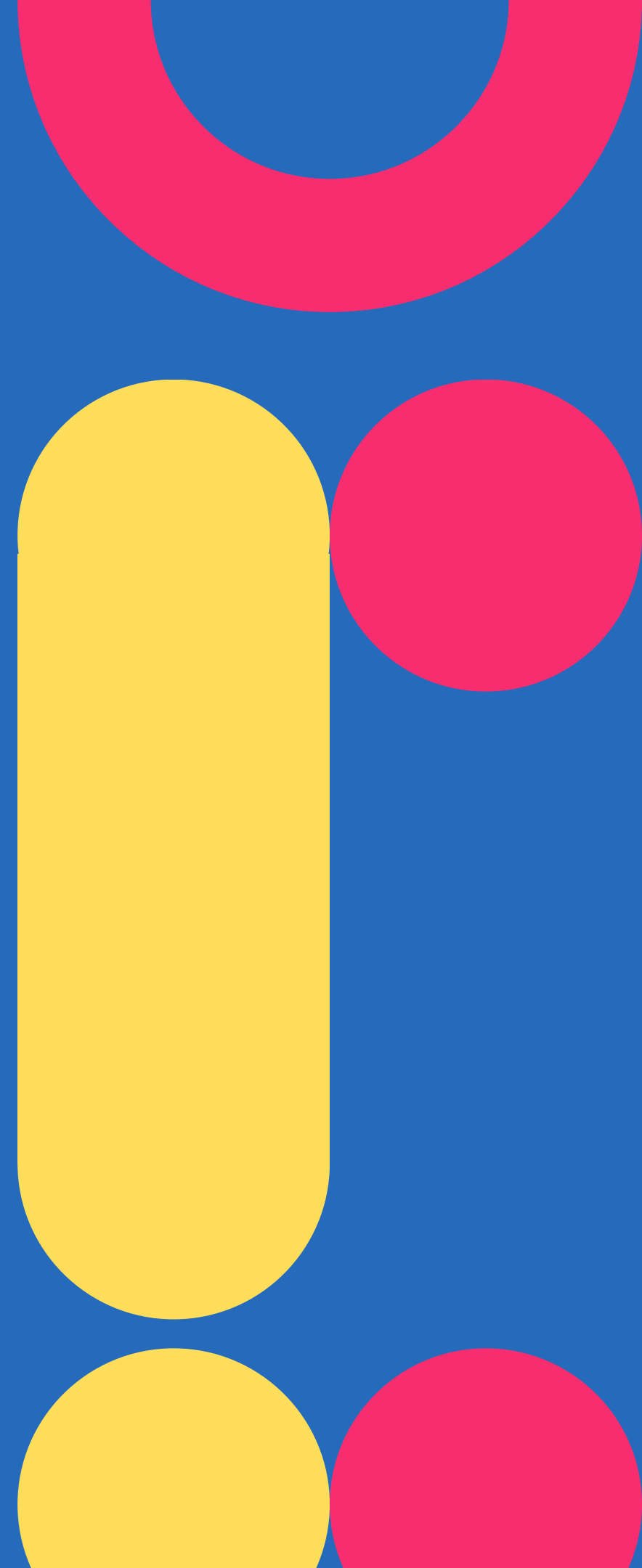
P.02.02 | Documentation & Video

P.02.03 | System Integration

P.03 | **Tips**



What is Final Project?



WHAT IS FINAL PROJECT?

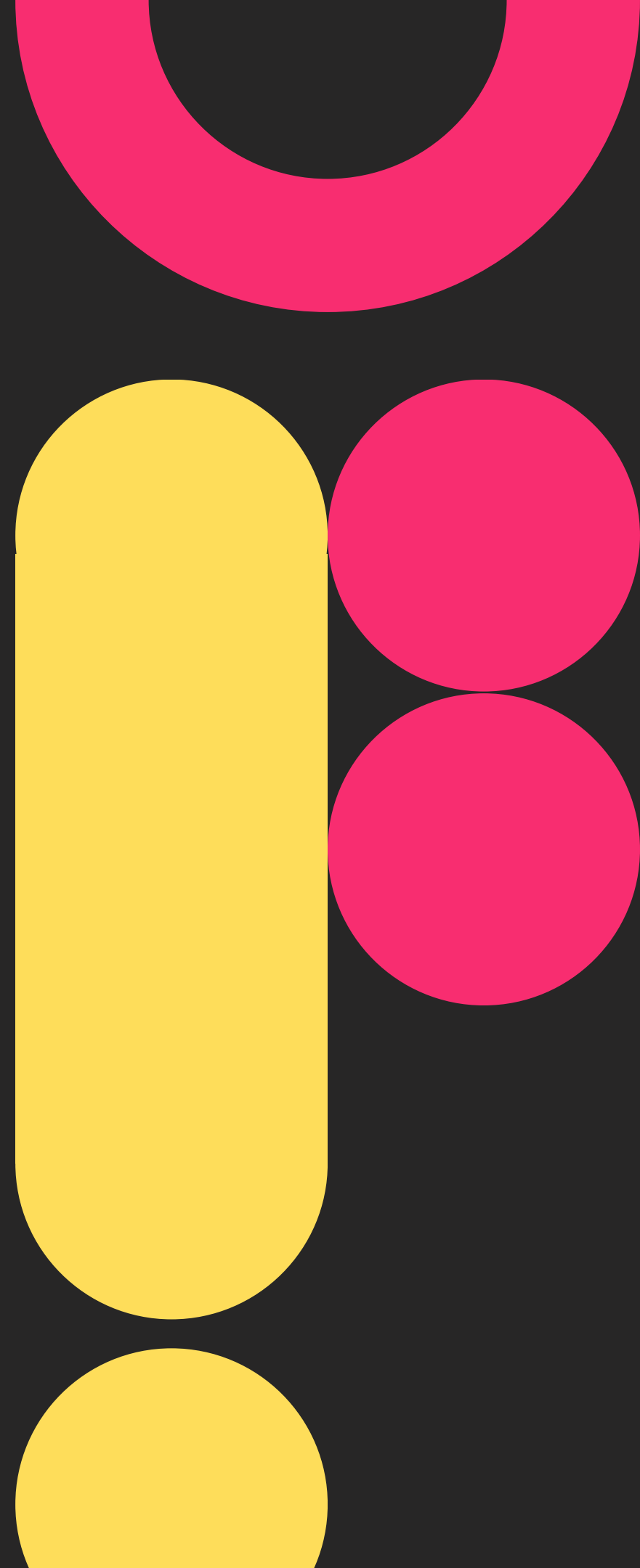
Final Project is the project that you will make and present near the end of the course that will integrate everything we covered in Fab Academy.

Each student will use the skills and tools covered in Fab Academy to create one final project, document it, and do a presentation.

[link to project presentation requirements](#)

[link to presentation examples of 2024](#)

What's good?



Your project should incorporate:

- 2D and 3D design
- Additive and Subtractive fabrication processes
- Electronics design and Production
- Embedded microcontroller interfacing and programming
- System integration and Packaging

Where possible, you should make rather than buy the parts of your project

What's Good? : Project



All throughout the course you are required to do documentation, and this is also the case for your **Final Project**.

You will be required to

Prepare a summary slide and a one minute video showing its **conception, construction, and operation**

[Link to Project development examples](#)

What's Good? : Documentation and Video



Try to avoid...

- just a lasercut press fit box for your final project.
- boards just fixed in a box with gluegun

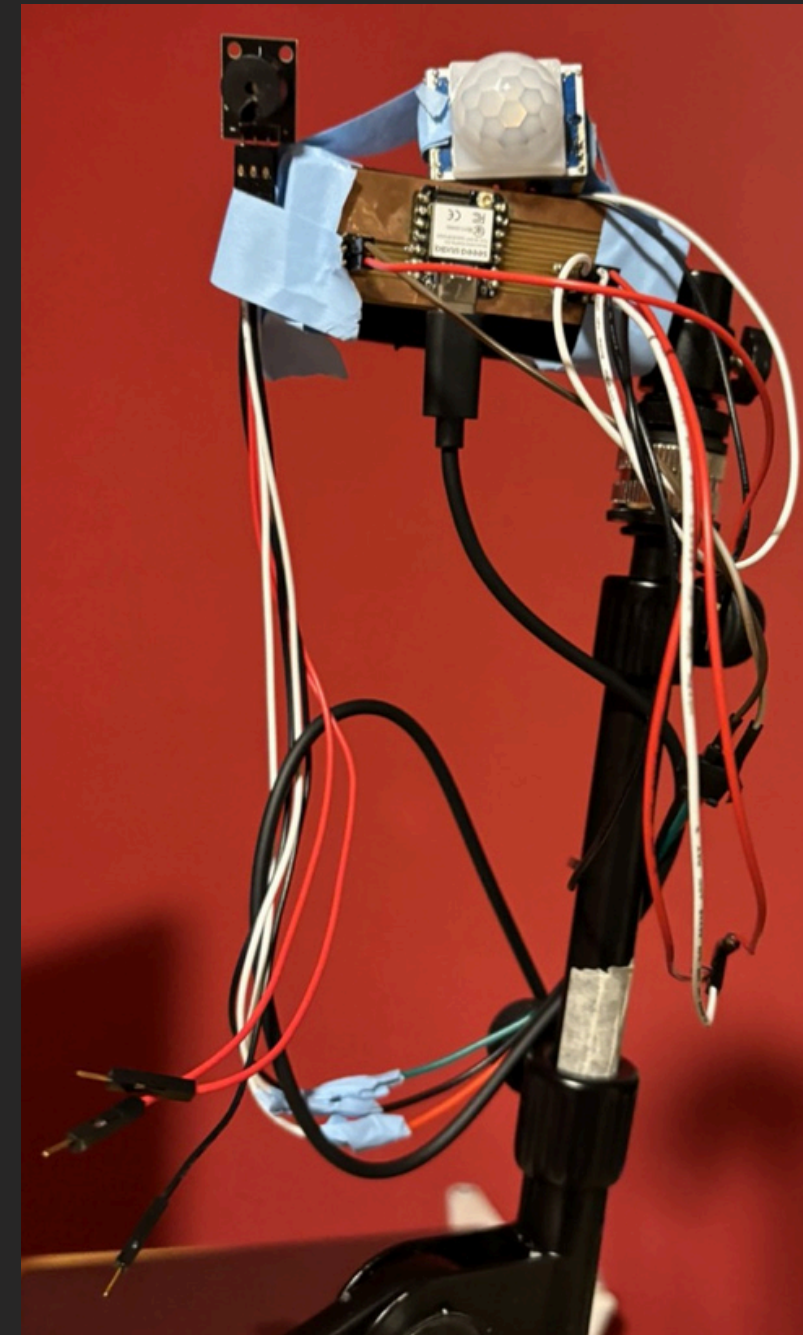
Instead...

- Design a your own encasing with purposeful holes, shape and material, with durability
- Plan and prepare a space for your boards, components and wiring

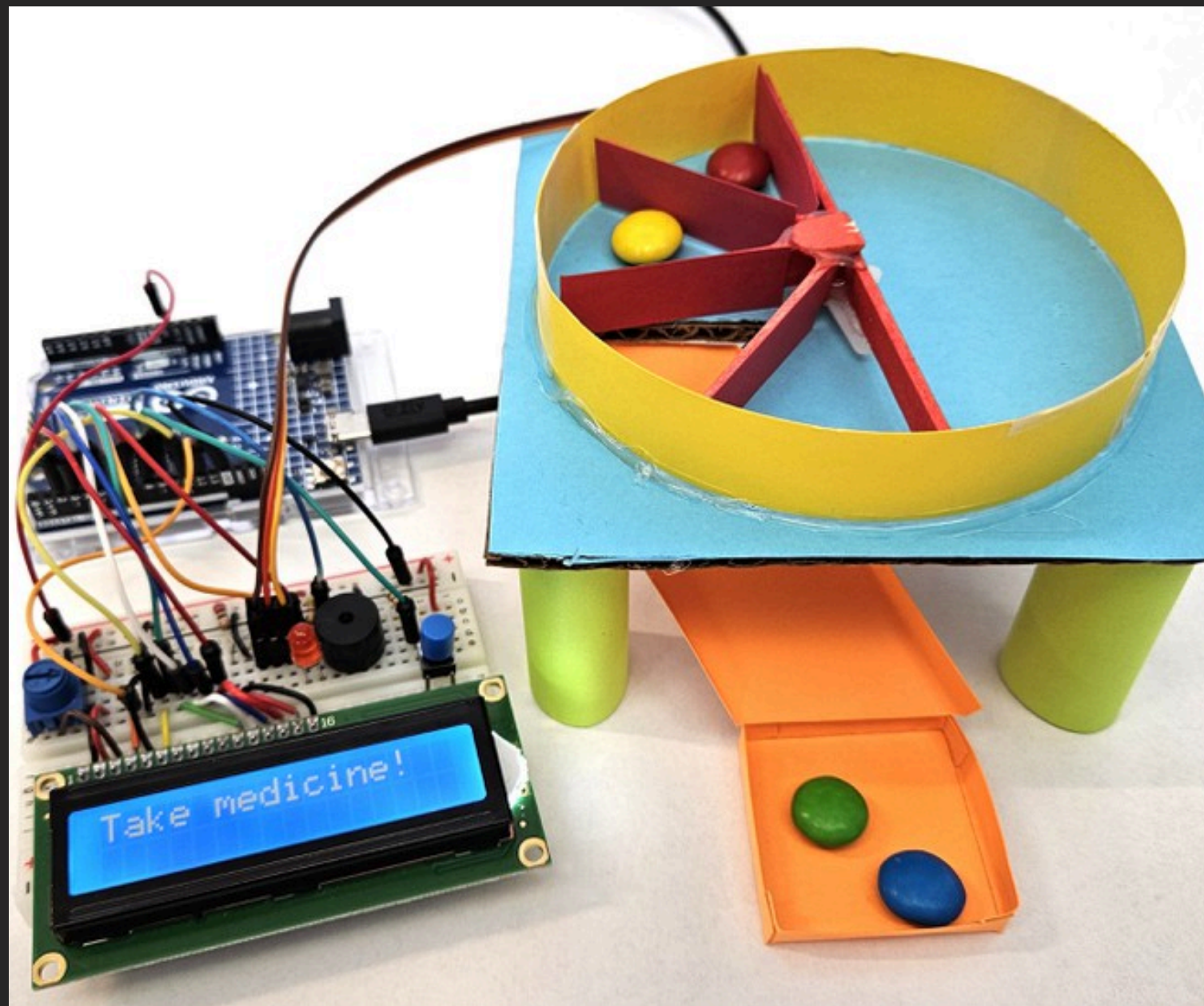
What's Good? : System Integration

BIG NO-NO

- Loose wires
- Tape and glue to hold your parts together
- Breadboard
- Copying other people's work



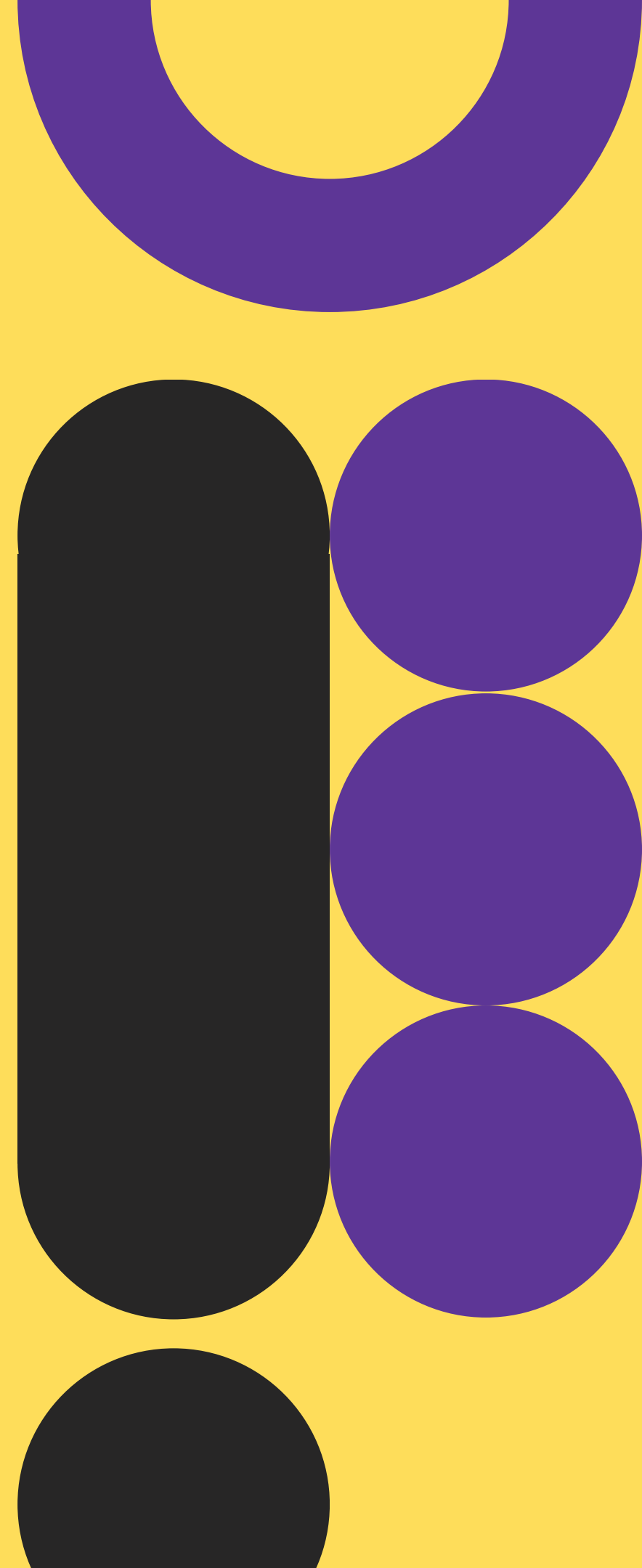
What's Good? : System Integration



What's Good? : System Integration



TIPS



TIPS

1. Plan your final project NOW.

Time management is key.

2. Work on your final project each week.

You can make parts of your final project as your weekly assignment. !!! Document as you go!!!

3. Research plenty on different components and tools

****When you have time****

4. Make the project more personal.