

Code Plan

- Explain basic interaction
- List Components
- How each part is going to operate in your project
 - Be precise

Examples

Explanation

User presses the button and cycles through 3 different patterns

Patterns:

- Blink - 500ms second delay
- Fade up then Fade down
- Off

Components

- Push Button
- LED

Pseudocode

Push Button

- Read Button
 - Increase counter
 - Register click on change from high to low

Patterns

- Blink
 - Turn LED On
 - Delay
 - Turn LED OFF
 - Delay
- Fade up then Fade down
 - Loop increase LED analogwrite by 1 till 255
 - small delay after each increase
 - Loop decrease LED analogwrite by 1 from 255 to 0
- OFF

