ERROR HANDLING

RECOVERABLE ERRORS

- error codes

UNRECOVERABLE ERRORS (FATAL)

- failed assert()
- abort()
- CPU exception
  - access to protected region
  - illegal instruction
- system level check
  - watchdog timeout
  - cache access error
  - stack overflow
  - stack smashing
  - heap corruption

ERROR CODES

esp_err_t

Success => ESP_OK

error => ESP_ERR_

esp_err_to_name() ——> "ESP_ERR_NO_MEM"

esp_err_to_name_r() "ENOENT", "ENOMEM"

CONFIG_ESP_ERR_TO_NAME_LOOKUP

ESP_ERROR_CHECK