K2S
KAK-KRIEN SCAMMER

Coding Standards

To maintain code consistency, all team members must follow these guidelines:

✅ Function Naming: Use snake_case with pascal case **Validate_Phone_Number( )**
✅ Variable Naming: Use descriptive lower snake_case names (**user_input**).
✅ Constant Naming: Use ALL_UPPERCASE (**MAX_PHONE_LENGTH**).
✅ Indentation & Spacing: Use 4 spaces per indent (no tabs).
✅ Header Files (.h): Define function prototypes, macros, and data structures.
✅ Implementation Files (.c): Implement logic while keeping the main function.
✅ Comments: Use // for single-line comments and /* */ for multi-line comments.
✅ Error Handling: Ensure all input validation & error handling are implemented.

Example Naming Conventions :

Functions (pascal_snake_case):

```
void Validate_Phone_Number(const char *phone);
ScamRecord *Hash_Map_Lookup(HashMap *map, const char *phone);
void Log_Admin_Action(const char *action);
```

Variables (lower_snake_case):

```
int scam_count;
char user_input[20];
float suspicious_score;
```

Constants (ALL_UPPERCASE):

```
#define MAX_PHONE_LENGTH 15
#define SCAM_THRESHOLD 0.8
```

Struct Naming (PascalCase):

```
typedef struct ScamRecord{
char phone[MAX_PHONE_LENGTH];
float risk_score;
struct ScamRecord *next;
}ScamRecord;
```

```
//typedef struct algorithm easy to look more than only struct
```

Enum Naming (PascalCase with ALL_CAPS values):

```
typedef enum{
SCAM_HIGH_RISK,
SCAM_MEDIUM_RISK,
SCAM_LOW_RISK
}ScamRiskLevel;
```