DEVELOPMENT GUIDE

1. Business Requirement & Specification
   1. Current System
      1. Business Operation Flow
      2. Current Problem or Difficulty
   2. Propose System
   3. Comparison
2. Analysis
   1. Context Diagram

**Process Notation (Gane and Sarson)**

**External Entity**



**Process**



**Data Flow**



**Example:**



* 1. Data Flow Diagram

**Process Notation (Gane and Sarson)**

**External Entity**



**Process**



**Data Flow**



**Data Store**



**Example:**

* 1. Entity Relationship Diagram

**Entity Relationship Diagram Notations**

**Entity**



**Weak Entity**



**Key attribute**



**Multivalued attribute**



**Derived attribute**



**Relationship**



**Information Engineering**

|  |  |
| --- | --- |
| One to one    One to many (mandatory)    Many    One or more (mandatory)    One and only one (mandatory)    Zero or one (optional)    Zero or many (optional) |  |

* 1. Data Dictionary

**Table Name**

* Description of this table

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Column | Data Type | Size | Nullable | PK | FK | Default Value | Description |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |

1. Flow Chat & Interface Design
   1. Setup Layout Design (General Layout)
   2. Transaction Layout Design (Layout for specific module)
2. Coding
3. Testing
4. Naming Conversion (lower case with underscore breaking)
   1. Variable
      1. Global variable

**Example** :@@name

* + 1. Local variable

**Example**: name

* + 1. Parameter  
       **Example** : \_name
  1. Class, Method, Property
     1. Class Name& Table Name (Must be singular)

**Class**: Person, PersonDetail,

**Method** or **Function** : get\_total\_value

* + 1. Property& Table Column

**Example**: first\_name

* 1. Controls
     1. Web Control

|  |  |  |
| --- | --- | --- |
| **Controls** | **Prefix** | **Example** |
| TextBox | Txt\_name |  |
| Combobox | Cbo\_name |  |
| Label | lbl\_name |  |
| Button | btn\_name |  |
| Grid | Grd\_name |  |
| CheckBox | Chk\_\_name |  |
| RadioField | Rfd\_\_name |  |
| Form | Frm\_name |  |
| Panel | Pnl\_name |  |
| TapPanel | tpl\_name |  |
| DateField | dfd\_name |  |
| Image | img\_name |  |
| TreePanel | Trp­\_name |  |
| FileField | Ffd\_\_name |  |
| RadioGroup | Rgp\_name |  |
|  |  |  |

* 1. Folder setup