Isolation Diary

Classes

1. **Page**
   1. Properties
      1. **PageDate** :: *Date*
      2. **Text**
      3. [ **ControlGroup** ]
      4. **FocusedControl**
   2. Methods
      * 1. Print
        2. ReceiveInput
2. **PageDate**
   1. Properties
      * 1. **Value** :: *Date*
        2. Methods
        3. Print
        4. PrintAsInt
3. **Text**
   1. Properties
      * 1. **Value** :: *String*
        2. Substitution
        3. Methods
        4. Print
4. **ControlGroup**
   1. Properties
      * 1. **Text**
        2. [ **ControlLine** ]
        3. Methods
        4. Print
5. **ControlLine**
   1. Properties
      * 1. **Text**
        2. **Control**
   2. Methods
      * 1. Print
6. **Control** :: **Field** | **Button**
7. **Field** :: **FieldRating** | **FieldTime**
   1. Properties
      * 1. **Validation**
        2. Value :: *String*
   2. Method
      * 1. Print
        2. Update
8. **FieldRating**
   1. Properties
      * 1. (Inherits from Field)
        2. Methods
        3. (Inherits from Field)
        4. Validation
9. **FieldTime**
   1. Properties
      * 1. (Inherits from Field)
   2. Methods
      * 1. (Inherits from Field)
        2. Validation
10. Validation
11. **Button**
    1. Properties
       * 1. **Text**
         2. **ActionText** :: *String*
         3. **Action**
         4. Methods
         5. Print
12. **Action**
    1. Properties
       * 1. Methods
         2. Call
13. Db
    1. Properties
       * 1. Store :: *HashTable*
         2. Methods
         3. Update
         4. Read

Functions

TODO: Decide where these belong.

1. NextControl
   1. If a “next” control exists, make it the Page.FocusedControl
   2. Else do nothing
2. PreviousControl:
   1. If a “previous” control exists, make it the Page.FocusedControl
   2. Else do nothing
3. Exit: Exit the program

PseudoCode

class Page < Object {

  property Date PageDate

  property ControlGroup[] ControlGroups

  static void Print() {

    Console.clear();

    self.Text.Print();

    foreach self.ControlGroups(group) {

      group.Print();

    }

  }

}

> a = new Page

> a.PageDate = “2021-05-17”