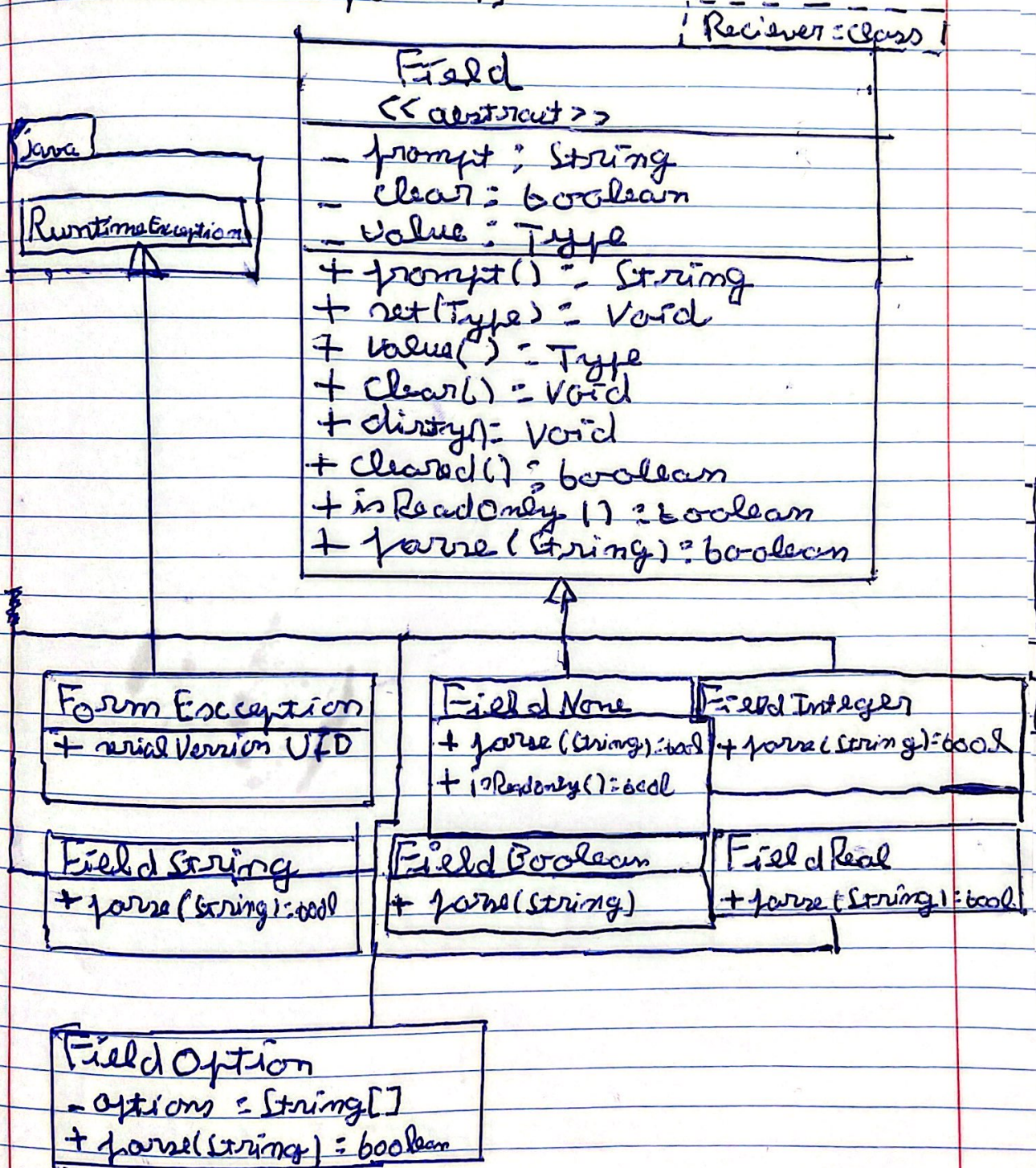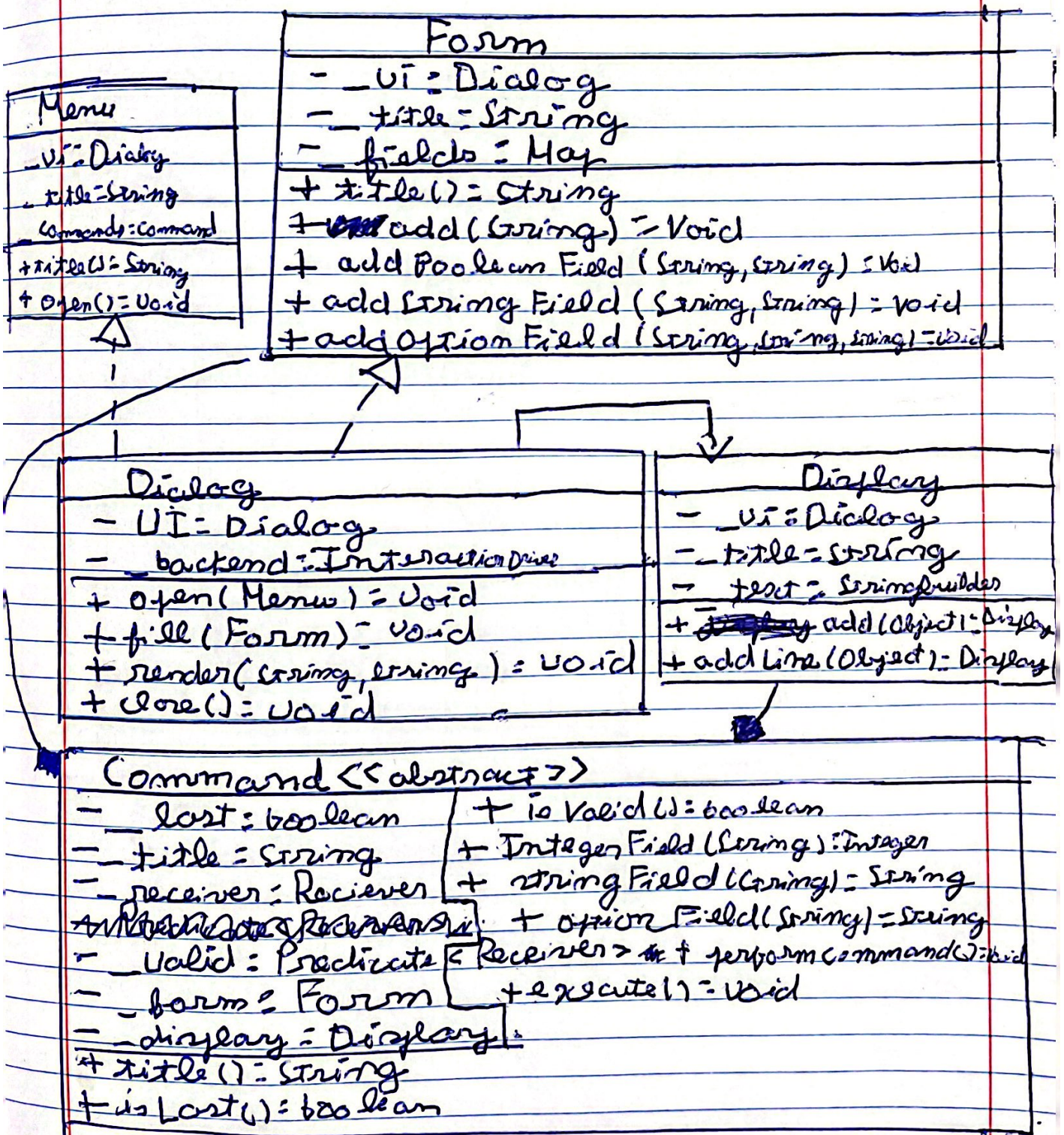Declaro por minha honra que este dia-
grama foi realizado apenas pelos membros
que constituem o grupo de projeto. Miguel
Rego 104779

PO - UILTB (parte 1)


```
                                    ┌ Reciever : Class ┐
        ┌──────────────────────────────────────────────┐
        │              Field                            │
        │              << abstract >>                   │
        │   _ prompt : String                           │
        │   _ clear : boolean                           │
        │   _ value : Type                              │
        │   + prompt() : String                         │
        │   + set(Type) : Void                          │
        │   + value() : Type                            │
        │   + clear() : Void                            │
        │   + dirty() : Void                            │
        │   + cleared() : boolean                        │
        │   + isReadOnly() : boolean                     │
        │   + parse(String) : boolean                    │
        └──────────────────────────────────────────────┘

┌ java ──────────────┐
│ ┌────────────────┐ │
│ │ RuntimeException│ │
│ └────────────────┘ │
└────────────────────┘
```

Form Exception
+ serialVersion UID

Field None
+ parse(String) : bool
+ isReadOnly() : bool

Field Integer
+ parse(String) : bool

Field String
+ parse(String) : bool

Field Boolean
+ parse(String)

Field Real
+ parse(String) : bool

Field Option
- option : String[]
+ parse(String) : boolean

Declaro por minha honra que este diagrama
foi realizado apenas pelos elementos que
constituem o grupo de projeto. Miguel Rega
70u279

Po - Uilib (parte 2)

Form
- _UI : Dialog
- _title = String
- _fields : Map
- + title () = String
- ~~can~~ add (String) = Void
- + add Boolean Field (String, string) = Void
- + add String Field (String, String) = Void
- + add Option Field (String, string, string) = Void

Menu
- _UI : Dialog
- _title = String
- commands : command
- + title () = String
- + open () = Void

Dialog
- _UI = Dialog
- _backend : Interaction Driver
- + open (Menu) = Void
- + fill (Form) = Void
- + render (string, string) = Void
- + close () = Void

Display
- _UI : Dialog
- _title = String
- _text = StringBuilder
- + ~~display~~ add (Object) : Display
- + add Line (Object) : Display

Command <>
- _last : boolean
- _title = String
- _receiver : Reciever
- ~~_backend : Reciever~~
- _valid : Predicate <Reciever>
- _form : Form
- _display : Display
- + title () : String
- + is Last () : boolean
- + is Valid () : boolean
- + Integer Field (String) : Integer
- + string Field (String) : String
- + option Field (String) : String
- + perform command () : void
- + execute () : Void

Declaro por minha honra que este diagrama
foi realizado apenas pelos elementos que
Constituem o grupo de projeto. Miguel Rego
104179

PO - UTlib (parte 3)

```
Composite PrintStream
- _ streams : Collection<PrintStream>
- _ error : boolean
+ checkError () : boolean
+ close() : void
+ print ( boolean ) : void
+ write ( byte, int, int ) : void
+ write ( int ) : void
+ write ( byte [] ) : void
```

```
[RuntimeEOFException]
```

```
Property
<<interface>>
```

```
Text Interaction
- In : BufferedReader
- Out : PrintStream
- log : PrintStream
- writeinput : boolean
+ close() : void
+ open ( Menu ) : void
+ fill ( Form ) : void
+ readString ( String ) : String
+ readInteger ( String ) : int
```

```
InteractionDriver
* <<interface>>
+ open ( Menu ) : void
+ render ( String, String ) :
+ close () : void
```

```
Java
```

```
PrintStream
```

```
Exception
Runtime
```