

About Validation





Goal

- How can we navigate an instance tree?
- With optional states that can be skipped

The case

- We want to validate UI forms
- Nested components may want to validate or not their contents

Screenshot here

A tree of instances

Screenshot here



Validate First Design

- Any presenter can validate its contents.
- Per dafault does not nothing.

```
SpPresenter >> validate 
^ self
```



Analysis

- We need to have a report to know if the validation failed or not.
- Should validate return a report?
- If validate returns a report then we have to return an ok report for anybody
- We do not want to force a report for all the tree instances...

Second Design: let the object decide

Pass around a basket and let any sub instance decide if it want to participate

```
SpPresenter >> validateInto: aReport
^ self
```

```
SpOptionPresenter >> validate
"Return a "
| report |
report := SpValidationReport new.
self layout children do: [:presenter | presenter validateInto: report].
^ report
```

Bringing Local and Global

Each validating subcomponents can bring its information to the report.

SpTextInputFieldWithValidation >> validateInto: aValidationReport self validate.

aValidationReport addAll: validationErrors

Conclusion

• Let the object decide if it wants to join a process but passing a container

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