

Figure 1: Screenshots of use cases of TheFragebogen.

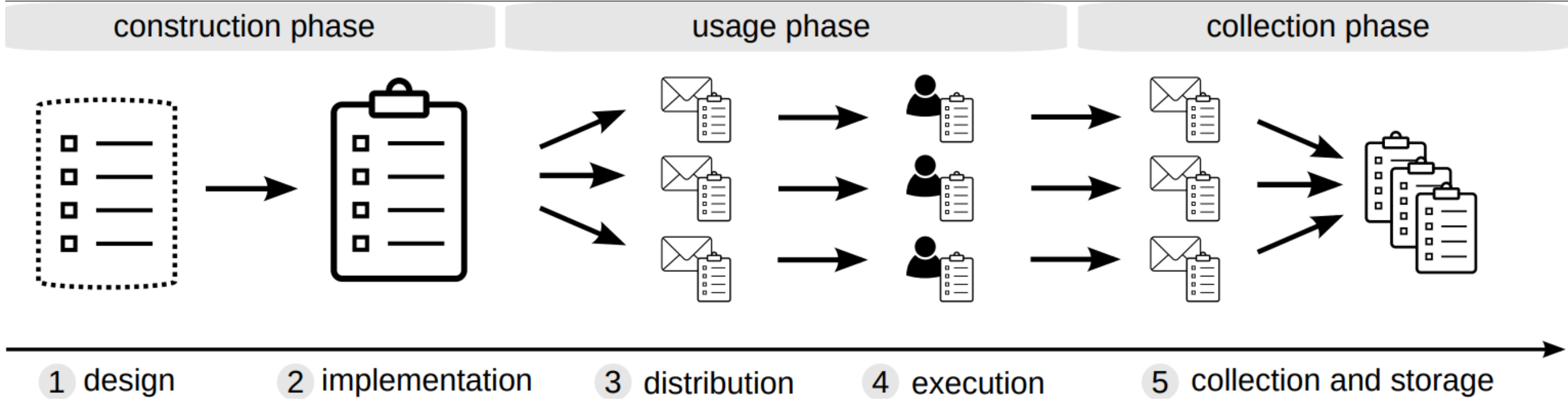


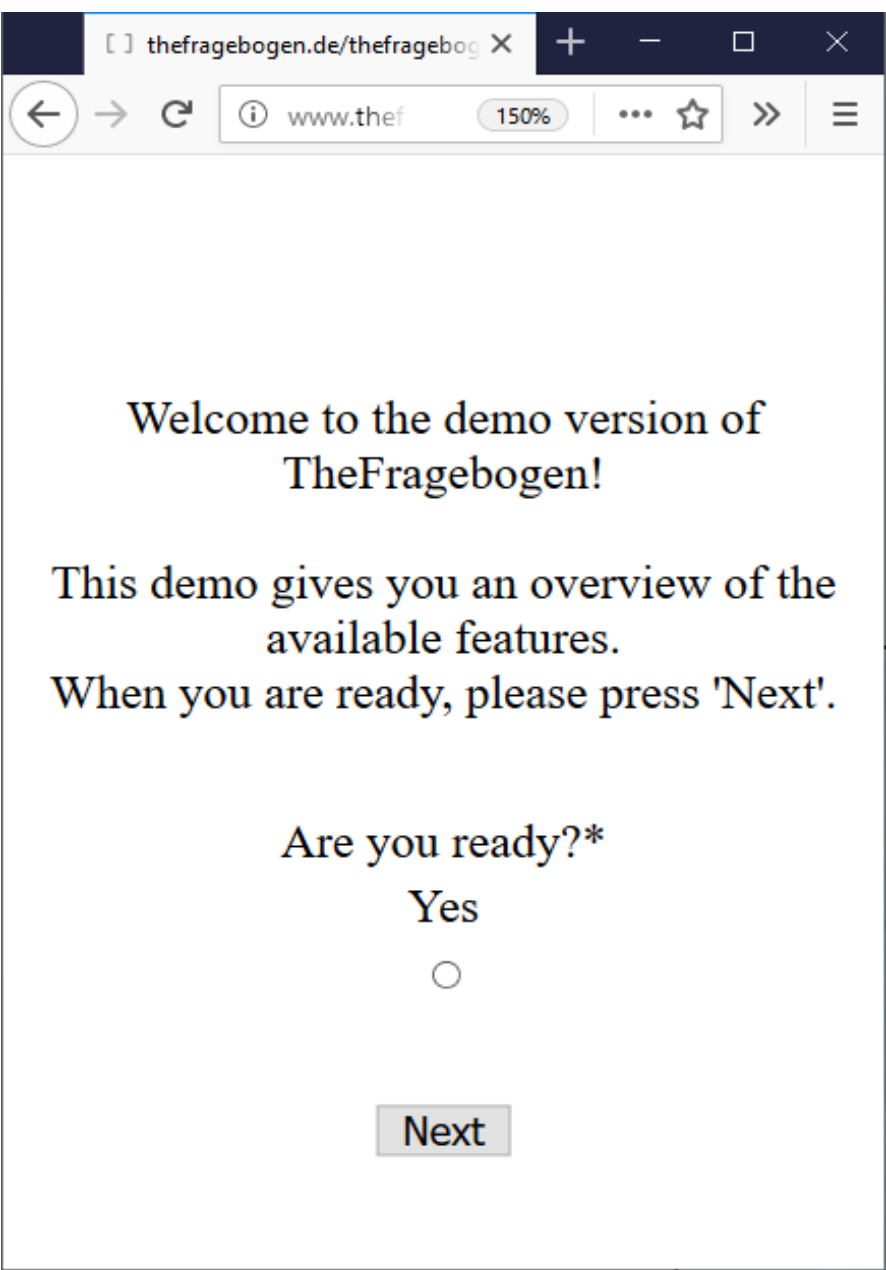
Figure 2: General lifecycle of a digital questionnaire.

### Lifecycle of an implementation

- 1. design:** select questionnaire content
- 2. implementation:** create questionnaire (if needed with individualization such as randomization)
- 3. distribute:** distribute questionnaires to user (e.g., e-Mail, web, laboratory)
- 4. execution:** participants conduct the experiment
- 5. results:** collect data and store for evaluation.

### Demo code

```
var screens = [];  
var screen1= new ScreenUIElements(  
  new UIElementHTML("CSS",  
    "This is some text."),  
    new QuestionnaireItemDefinedOne(  
      "CSS",  
      "Are you ready?", true, ["Yes"])  
);  
screens.push(screen1);  
  
var sc = new ScreenController(screens);  
...  
sc.start(document.body);
```



### Lessons learned

- limit necessary (network) infrastructure
- plan for technical failures
- use version control software
- reuse and enhance available implementations
- follow the “boy scout rule”:  
always leave a campground cleaner than you found it.

### Future work

- > foster reproducibility by sharing implementations (Build public repository of implementations)
- > community building:  
share knowledge, technology, and expertise
- > invest resources to enhance/maintain TheFragebogen

### Project information

Web page	www.thefragebogen.de
Software license	MIT License
Programming language	JS5+, CSS, HTML
Version control	GIT

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### Icons from the Noun Project:

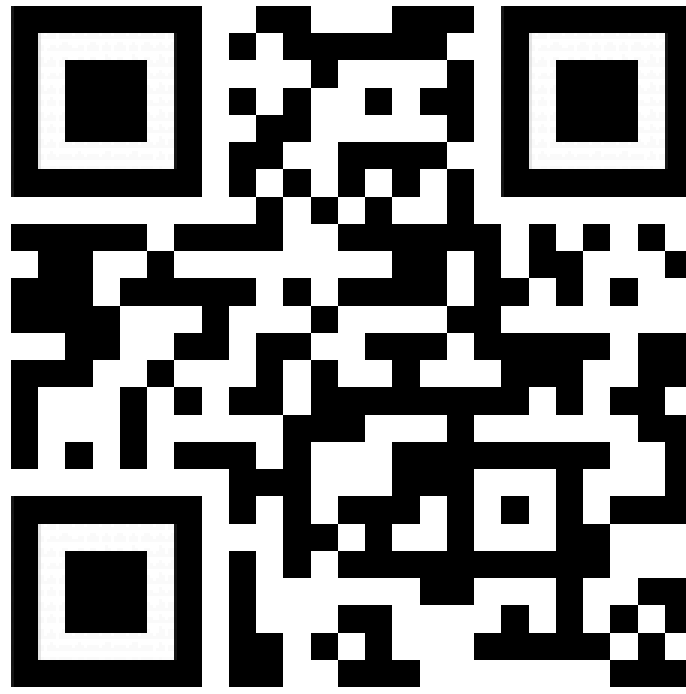
- “open source” by I Putu Kharismayadi
- “Responsive Design” by Kiran Joseph
- “Communication” by Shocho
- “cassette tape” by Universal Icons
- “enhance tool” by icon54
- “dynamic” by Nithinan Tatah
- “html” by Creative Stall
- “Crowdsourcing” by Atif Arshad
- “behavior” by Nithinan Tatah
- “Privacy” by johartcamp
- “archive” by Dilla Chee
- “signature” by Vadim Solomakhin

### Web page

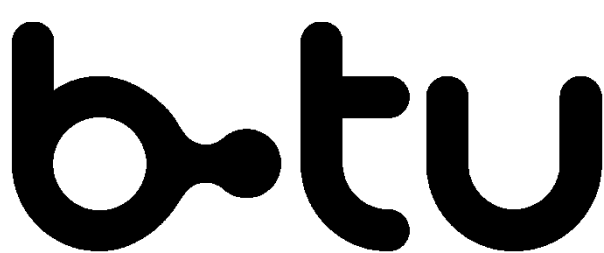


thefragebogen.de

### Live demos



.../demo



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