

Design Oriented Research Plan

Prominent survey tools and opensource survey solutions

| | |
|----------------|--|
| Version | 0.1 |
| State | In progress |
| Authors | Mickey Krekels , Somers Manoah , Sebas Bakker , Jordi Huntjens , Mark Tempelman |
| Date | 17-03-2022 |

VERSION HISTORY

| Version | Date | Author(s) | Changes | State |
|---------|------------|-----------------------------------|---|-------------|
| 0.1 | 17-03-2022 | Mickey Krekels | Added the main structure of the document. | In progress |
| 0.2 | 17-03-2022 | Manoah Somers, Sebas Bakker | Added contents. | |
| | | | | |

TABLE OF CONTENT

| | |
|-----------------------------------|---|
| Version history | 2 |
| 1 Research description..... | 3 |
| 1.1 The problem/opportunity | 4 |
| 1.2 Approach | 4 |
| 2 Research Questions | 5 |
| 2.1 Main Research Question..... | 5 |
| 2.2 Sub Questions | 5 |
| 3 Deliverables and Timeplan..... | 6 |
| 3.1 Deliverables..... | 6 |
| 3.2 Timeplan | 6 |

1 RESEARCH DESCRIPTION

1.1 THE PROBLEM/OPPORTUNITY

At the moment there are no available survey tools that give the possibility to adjust the consent of the answers given.

This research plan aims to investigate how to manage survey responses using open source survey tools.

1.2 APPROACH

This research will be approached using the DOT framework and the HBO-I research methods. We began by setting up a main research question with relevant sub-questions to answer the main question.

2 RESEARCH QUESTIONS

2.1 MAIN RESEARCH QUESTION

- What are the capabilities of prominent survey tools and opensource survey solutions?

2.2 SUB QUESTIONS

- What functions do the most popular surveys tools have?
- Which surveytool is most suitable to adapt to fit our needs for managing consents?
- How can we implement a surveytool in our custom application?
- How can we make sure our data is stored securely?
- How can we aggregate the users data to make it not traceable to an individual user?

See the table below for the linked category and methods for each of the sub-questions.

| Dot Framework research methodology | | |
|---|---|--|
| Sub Question | Method | Reason |
| <i>What functions do the most popular surveys tools have?</i> | Library: Available product analysis, SWOT analysis. Field: Problem analysis. Workshop: Business case exploration | By looking at different surveytools and their features we can get a good understanding of what a surveytools really is and what it includes. |
| <i>Which surveytool is most suitable to adapt to fit our needs for managing consents?</i> | Library: Available product analysis, SWOT analysis. Field: Problem analysis. Workshop: Business case exploration Gap analysis. Multi-criteria decision making | By comparing different surveytools we can figure out which one is most suitable to adapt to our needs. |
| <i>How can we implement a surveytool in our custom application?</i> | Workshop: Business case exploration Decomposition | Researching how we can adjust the surveytool for our special constant needs. |
| <i>How can we make sure our data is stored securely?</i> | Library: Available product analysis Field: Problem analysis | Researching how other data sensitive products tackled this and comparing it to how we want to apply this. |
| <i>How can we aggregate the users data to make it not traceable to an individual user?</i> | Library: Community research Field: Problem analysis. | We will compare different types of ways to create anonymous data through aggregation. |

3 DELIVERABLES AND TIMEPLAN

3.1 DELIVERABLES

| Deliverable | Description | Document type |
|-------------------|--|---------------------|
| Research plan | Document which includes the research questions with research methods. | Word document - PDF |
| Research document | Document in which the main and sub-questions are answered with a substantiation. | Word document - PDF |

3.2 TIMEPLAN

| Deliverable | Activity – Research question | Week |
|-------------------|---|------|
| Research document | <i>What functions do the most popular surveys tools have?</i> | 5 |
| Research document | <i>Which survey tool is most suitable to adapt to fit our needs for managing consents?</i> | 6 |
| Research document | <i>How can we make sure our data is stored securely?</i> | 7 |
| Research document | <i>How can we aggregate the users data to make it not traceable to an individual user?</i> | 8 |
| Research document | <i>How can we implement a surveytool in our custom application?</i> | 9 |
| Research document | <i>How can we implement a surveytool in our custom application?</i> | 10 |
| Research document | <i>What are the capabilities of prominent survey tools and opensource survey solutions?</i> | 11 |
| Research document | Finalizing document | 12 |