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Automatisch generierte Beschreibung

Evaluation document of the developed prototype:

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**Abstract**  
This document evaluates the extent to which the prototype developed as part of the research study is able to meet the requirements identified during the expert interviews.

***Keywords:*** *evaluation, prototype, method selection assistant, technical factors, economic factors*

# Profile/User Selection

* Consultant (Pro-Version)
* User (Lite-Version)

**Description:**

The user can choose between two profiles: the normal user and a consultant.

**Modules:**

* AI\_Method\_Selection\_Assistant
* Session\_state

**Screenshots:**

1. Selection options are displayed directly on the home page

Ein Bild, das Text, Screenshot, Schrift, Design enthält.

Automatisch generierte Beschreibung

1. Feedback logged in as user

Ein Bild, das Text, Screenshot, Quittung, Schrift enthält.

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1. Feedback logged in as consultant

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**Result:**

The requirement could be fully implemented.

# User Input

Company / Organisation Data

Data Input

**Description**:

The user has the possibility to enter data via a mask. Here he has once the possibility to enter organizational data and data, for the consultation.

**Modules:**

* Pages
* Forms
* Session\_state
* Utils

**Screenshots:**

1. Input mask for organizational data

Ein Bild, das Text, Screenshot, Schrift, Dokument enthält.

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1. Input mask for the data basis on which the model performs the calculation.   
   (part 1)

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1. Input mask for the data basis on which the model performs the calculation.   
   (part 2)

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Automatisch generierte Beschreibung

**Result:**

The requirement could be fully implemented, the user can enter the data individual via two masks.

# AI-Method-Selection

• Calculation

• Model accessible

**Description**:

The assistant is able to calculate which methods would be suitable based on the model and the results.

**Modules:**

* Pages
* Session\_state
* Utils
* Model
* Result

**Screenshots:**

1. Summary of the result query and with the help of the button the calculation can be started

**Ein Bild, das Text, Quittung, Screenshot enthält.

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1. A descriptive chart and finally the descending order of the procedures is displayed with helpful descriptions of the procedures.

Ein Bild, das Text, Diagramm, Reihe, Software enthält.

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**Result:**

The requirement could be fully implemented, the user can perform the consultation himself with the help of the wizard and thus make the model usable.

# Cost-Benefit-Analysis

• Calculation of the economic efficiency

**Description**:

As a user, you can carry out the economic analysis of the procedures and problem definitions.

**Modules:**

* Pages
* Utils
* Session\_state

**Screenshots:**

1. The user can enter the values and start the calculation

**Ein Bild, das Text, Screenshot, Quittung, Schrift enthält.

Automatisch generierte Beschreibung**

1. The calculation is presented.

**Ein Bild, das Text, Screenshot, Schrift enthält.

Automatisch generierte Beschreibung**

**Result:**

The requirement could be completely fulfilled, the calculation is directly inside the consulting assistant.

# Output of the results

• Ranking option (including dynamic selection of the number of results displayed)

• Graphics for visual presentation of the results

**Description**:

The results of the model can be dynamically differentiated on length and are presented in a graphically appealing way.

**Modules:**

* Pages
* Session\_state
* Utils
* Model
* Result

**Screenshots:**

1. User can specify the number of desired output methods

**Ein Bild, das Text, Screenshot, weiß enthält.

Automatisch generierte Beschreibung**

1. The desired output of the models is prepared in a graphically appealing way

**Ein Bild, das Text, Screenshot, Software, Reihe enthält.

Automatisch generierte Beschreibung**

1. The desired output of the models is prepared in an appealing tabular form and it is possible to display additional information

**Ein Bild, das Text, Quittung, Screenshot, Dokument enthält.

Automatisch generierte Beschreibung**

**Result:**

The requirement could be completely fulfilled, the nuztzer can specify a number and accordingly a dynamic number of result will be output.

# Saving:

• In the Asisstant

• Logging

• Extern in Dataframe

**Description**:

The request can be saved and viewed again in the assistant.

**Modules:**

* Pages
* Session\_state
* Utils
* History
* Result
* Assets

**Screenshots:**

1. With the help of the query history, the queries can be viewed.

**Ein Bild, das Text, Screenshot, Schrift, Quittung enthält.

Automatisch generierte Beschreibung**

1. The particular query can be examined in detail and the export of the query is possible.

**Ein Bild, das Text, Screenshot, Dokument, Schrift enthält.

Automatisch generierte Beschreibung**

**Result:**

The requirement could be fully implemented, all queries are available and displayed and it is also possible to output the respective PDF reports.

# Analysis options

• Comparison of query results

• Feedback system, evaluation of output

**Description**:

The user is able to evaluate the query with the help of a feedback system.

**Modules:**

* Pages
* Session\_state
* History
* Result

**Screenshots:**

1. At the end of the survey, the user can indicate how satisfied he or she is with the rating.

**Ein Bild, das Text, Screenshot, Schrift, Reihe enthält.

Automatisch generierte Beschreibung**

**Result:**

The anofderung could be fully implemented.

# Export

• Online-preview

• Export as pdf

• Sending E-Mail

**Description**:

The query can be exported as a PDF. The PDF should be multi-page and contain all the information of the query.

**Modules:**

* Pages
* Report
* Result
* Session\_state
* History

**Screenshots:**

1. Export possibility directly in the browser

**Ein Bild, das Text, Screenshot, Website, Design enthält.

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1. Extract from PDF Report document:

Page 1 Letterhead and Cover Letter

**Ein Bild, das Text, Screenshot, Schrift enthält.

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1. Excerpt from the PDF report document:

Page 2 Overview of the results and the clear graphical model

**Ein Bild, das Text, Screenshot, Diagramm, Schrift enthält.

Automatisch generierte Beschreibung**

1. Excerpt from the PDF Report document:

Page 3 Result of the economic efficiency calculation

**Ein Bild, das Text, Screenshot, Brief, Schrift enthält.

Automatisch generierte Beschreibung**

1. Excerpt from the PDF report document:

Page 4 Dynamic display of the contents in descending order of the results with in-depth information on the models

**Ein Bild, das Text, Screenshot, Schrift, Brief enthält.

Automatisch generierte Beschreibung**

**Result:**

The requirements could be partially implemented. The export of the document could be fully implemented. However, it was not possible to send mail due to the lack of a technical mail server. However, this was already addressed at the beginning of the requirements analysis.