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PlayGround

Test stuff here.

Welcome to your new DokuWiki

Congratulations, your wiki is now up and running. Here are a few more tips to get you started.

Enjoy your work with DokuWiki,
– the developers

Create your first pages

Your wiki needs to have a start page. As long as it doesn't exist, this link will be red: start.

Go on, follow that link and create the page. If you need help with using the syntax you can always refer to the syntax page.

You might also want to use a sidebar. To create it, just edit the sidebar page. Everything in that page will be shown in a margin column on the side. Read our FAQ on sidebars to learn more.

Please be aware that not all templates support sidebars.

Customize your Wiki

Once you're comfortable with creating and editing pages you might want to have a look at the configuration settings (be sure to login as superuser first).

You may also want to see what plugins and templates are available at DokuWiki.org to extend the functionality and looks of your DokuWiki installation.

Join the Community

DokuWiki is an Open Source project that thrives through user contributions. A good way to stay informed on what's going on and to get useful tips in using DokuWiki is subscribing to the newsletter.

The DokuWiki User Forum is an excellent way to get in contact with other DokuWiki users and is just one of the many ways to get support.

Of course we'd be more than happy to have you getting involved with DokuWiki.

2015/03/03 17:49 · 0 Comments

Title of the Report

- Author1
- Author2
- Author3

2026/02/16 22:34 · epsatisep · 0 Comments

Abstract

2026/02/16 22:31 · epsatisep · 0 Comments

List of Acronyms

Acronym	Description
CRISP-DM	Cross-Industry Standard Process for Data Mining
ISEP	Instituto Superior de Engenharia do Porto
MADS4Engineering	Minor in Applied Data Science to Engineering

2026/02/16 22:32 · epsatisep · 0 Comments

Introduction

Project Context

MADS4Engineering provides a project-based learning and intercultural multidisciplinary teamwork experience; the real-world challenge; the composition of the team; the relevance of multidisciplinary and intercultural collaboration.

Challenge and Objectives

Describe very briefly the challenge addressed; main project objective; key expected outcome.

Methodological Overview

Just a paragraph explaining that: Design Thinking supported problem framing and user-centred design; CRISP-DM structured the data science activities; Scrum supported project execution. No methodological details.

Report Structure

Chapter	Description
1	…
2	…
3	…

Chapter	Description
4	…
5	…
6	…
7	…
8	…

2026/02/16 21:05 · epsatisep · 0 Comments

Methodology

Introduction

Provide here an overview of the contents (structure) of this chapter.

Design Thinking

CRISP-DM

Scrum-Based Development

Summary

2026/09/08 17:28 · mads4engineering · 0 Comments

Problem Understanding

Introduction

Provide here an overview of the contents (structure) of this chapter.

Challenge Description

Stakeholder Analysis

User Analysis

Requirements

Objectives and Success Criteria

Summary

2026/09/08 17:34 · mads4engineering · 0 Comments

Data Understanding

Introduction

Data Sources

Data Quality Assessment

Exploratory Analysis

Data Limitations

Summary

2026/09/08 17:42 · mads4engineering · 0 Comments

State of the Art

This chapter provides the reader with the relevant technical-scientific background as well as existing related products and research, also known as the state of the art, in the field(s) of the project.

Introduction

Provide here an overview of the contents (structure) of this chapter.

These are examples of citations to books **[1]** and **[2]**, a chapter on a smart companion **[3]**, articles on IoT **[4]**, blimps **[5]**, cloud computing **[6]**, gas emissions **[7]**, pedestrian crossing behaviour **[8]**, smart bicycles **[9]** and diaper moisture **[10]**, and to Web resources **[11]**, **[12]** and **[13]**.

Domain Overview

Existing Solutions

Commercial solutions

Open-source solutions

Research prototypes

Compare selected solutions considering the requirements of your own solution

Relevant Technologies and Approaches

Data sources and acquisition

Data analysis and modelling techniques

Data visualisation techniques

UI/UX approaches

Development technologies

Gap Analysis

Summary of limitations of existing solutions

Identified opportunity

Positioning of the proposed solution

Design Implications

Summary

Provide here the conclusions of this chapter and make the bridge to the next chapter.

What did the you learn from the state of the art and how did it influence the proposed solution?

2026/02/16 21:06 · epsatisep · 0 Comments

Critical Thinking and Ethical Considerations

Introduction

Provide here an overview of the contents (structure) of this chapter.

Stakeholders and Impact

Identification of affected stakeholders

Expected benefits

Potential risks

Risks and Concerns

Ethical issues

Privacy and security issues

Bias and fairness issues

Sustainability issues and SDG alignment

Applicable regulations

Design Implications

How the identified concerns influenced the design

Requirements derived from ethical and critical thinking considerations

Summary

Provide here the conclusions of this chapter and make the bridge to the next chapter.

2026/02/16 21:10 · epsatisep · 0 Comments

Solution Design

Introduction

Solution Vision

Design Requirements

User Stories

Conceptual Data Model

Information Architecture

UX/UI Design

Summary

2026/09/08 17:43 · mads4engineering · 0 Comments

Project Management

Provide here an overview of the contents (structure) of this chapter. Explain the project management approach your group followed and justify why you think it is a good approach.

Scope

Document the boundaries of your project. Document the product scope (the extent of what your project will produce) and the project Scope (summary of the work needed to produce it). Make sure you clearly define what is part of the project and what is outside of its scope, justifying as needed.

Time

Explain how you managed the schedule of your project. Document the key milestones of your project, mapping key phases to reference deadlines.

Cost

Describe your project budget and its key components. Explain how your budget was managed throughout the project. Document the planned vs. effective costs of your project.

Quality

Document quality metrics that will apply to your project deliverables, associated thresholds and how they should be reviewed.

People & Stakeholder Management

Enumerate all people relevant to your project, including the project team and key stakeholders. Document their roles and responsibilities. Document your stakeholder management plan and strategy.

Communications

Document how your team will manage communications, describing communication channels, meetings, etc.

Risk

Identify key risks (product and project level), evaluate them and define how they should be handled (responses) and monitored. Perform quantitative and qualitative risk analysis and use the results to define the appropriate risk responses.

Procurement

Document your procurement management strategy including make vs buy decisions, materials/services to be acquired, sources, costs, timings, etc.

Project Plan

Document the project schedule, and the key project phases, using a Gantt Chart. Highlight the key project phases and milestones.

Describe how your plan was mapped to multiple iterative sprints.

Document how the sprint backlog was planned and managed for each of the sprints you have created in Planner.

Describe how prioritization was done.

Document how the estimation process was implemented, and any underlying challenges.

Provide a summary of the sprints that were executed, along with sprint goals.

Sprint Outcomes

Include the outcomes of all sprint reviews (what was the sprint backlog, completion status, planned capacity vs. achieved velocity).

Sprint Evaluations

Include the summary of all the sprint retrospectives, including any actions implemented as part of the team's continuous improvement strategy.

Summary

Provide here the conclusions of this chapter and make the bridge to the next chapter.

2026/02/16 21:07 · epsatisep · 0 Comments

Development

Introduction

Provide here an overview of the contents (structure) of this chapter.

System Architecture

Data Pipeline

Backend Development

Analytics Components

Front-End Development

Integration

Summary

Provide here the conclusions of this chapter and make the bridge to the next chapter.

2026/02/16 21:11 · epsatisep · 0 Comments

Evaluation

Introduction

Functional Testing

Usability Testing

Validation Against Requirements

Discussion

2026/09/08 17:47 · mads4engineering · 0 Comments

Conclusions

Achievements

Discuss here what was achieved (wrt the initial objectives) and what is missing (wrt the initial objectives) of the project.

Limitations

Identify here the limitations of the solution and prototype.

Future Work

Provide here your recommendations for future work.

2026/02/16 21:12 · epsatisep · 0 Comments

Acknowledgements

2026/02/16 22:33 · epsatisep · 0 Comments

===== Bibliography ===== Will be added automatically by citing, in the body of the report, entries specified in BibTeX format and stored in the https://www.mads4e.dee.isep.ipp.pt/doku.php?id=refnotes:bib file *PS* - If you have doubts on how to make citations, create captions, insert formulas, etc. visit this page with examples and select “Show pagesource” to see the source code.

2025/02/21 23:16 · 0 Comments

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