

# Project Report

PS Non-Standard Database Systems  
Summer Term 2020

Department of Computer Sciences  
University of Salzburg

Group Number

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April 21, 2020

**Remove This Paragraph Before Submission** This report is composed of *two* checkpoint files (cp1.tex and cp2.tex), a feedback (feedback.tex), and a bibliography file (bibliography.bib). Include only cp1.tex into the first report, and both checkpoint files into the second report.

This template contains the most important elements your report is supposed to cover. However, it is recommended that you mention anything that helps the reader (your instructor) to understand the contents of the report.

## Checkpoint 1: Planing Phase

### 1.1 Survey

Enumerate (at least) *four* references and briefly summarize the main insight they provided (1 paragraph each). All references should also be included in the Section *References* that concludes the report.

1. ...
2. ...
3. ...
4. ...
5. Additional references ...

### 1.2 System

We choose ...for our project.

**Rationale** Why is this type of system interesting to you? (1-2 paragraphs)

In the following, discuss *four* interesting features/properties of the chosen system (1 paragraph each).

1. ...
2. ...
3. ...
4. ...
5. Additional features/properties ...

### 1.3 Application Description

Describe your application scenario (2-3 paragraphs) and justify why this fits your system of choice (1-2 paragraphs).

**Architectural Overview** Provide an overview on the planned architecture/pipeline of your application. For example: Programming languages, 3rd-party libraries/frameworks and their role in your application pipeline (1 paragraph each), planned deployment, ...

**Experimental Data** For each dataset, describe the origin and its properties/contents. Moreover, justify why the respective datasets suit your application (2-3 paragraphs each).

### 1.4 Roadmap

*Optional.* Split your project into individual steps and provide a first roadmap for the semester. You may use the vroadmap environment (see `report.tex` for definition):

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YYYY-mm-dd	•	Step 1
YYYY-mm-dd	•	Step 2
...	•	...

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### Feedback

Please answer the following questions (optional):

- How much time did each of the group members spend on this assignment? Please use the Effort Collector tool<sup>1</sup> to anonymously answer this question; you find the access data in the slack channel of the course.
- Are there any hints/references we should provide for future students? Did you find any of our guidance misleading or ambiguous?
- Do you have any suggestions for the instructors to support students more effectively?
- Any other comments?

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<sup>1</sup><https://aufwand.cosy.sbg.ac.at>

## Checkpoint 2: Implementation

Citing small code snippets in the main text is fine. Please move long code snippets into the appendix of the report and reference them.

### 2.1 Resources

1. ...resource with description ...
2. ...resource with description ...
3. ...resource with description ...
4. ...resource with description ...
5. ...any further resource ... (even without description)

### 2.2 Setup

...

### 2.3 Datasets

#### 2.3.1 New Datasets

1-2 paragraphs per dataset...

#### 2.3.2 Generation

1-2 paragraphs per dataset...

#### 2.3.3 Import

Discuss the import process.

Discuss any runtime issues with importing the data.

### 2.4 Implementation

#### 2.4.1 Detailed Description

About two pages in total (text *and* figures) expected.

#### 2.4.2 Key System Features

Two key features (min. 1 paragraph each).

### 2.5 Problems Encountered

Optional.

## 2.6 Alternative Implementation

Optional.

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### References

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<sup>2</sup><https://aufwand.cosy.sbg.ac.at>