Initial research

HeardIT

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1. Introduction

The purpose of this document is to outline the research process conducted in order to determine what….

1. Main question

In this section the main question will be established. In order to complete the research, the main question needs to have a concrete answer. For this reason, it is important to define the main question well. The main question will also allow us to create the sub-questions that will help us answer the main question.

The main research question is:

*How to improve and further extend the testing infrastructure around the current testing environment for the Loopsorter stream?*

Answering this question will allow us to find what are some of the main issues, that are within the scope of my assignment, that the Loopsorter stream is facing with their testing environment.

1. Sub-questions
2. How can test engineers determine what kind of failures occur for the Test-Broker Engine and how often?

In order to answer this question, I firstly

Methods used: Literature study, Expert interview, Interview

1. How can test engineers find the root cause of a failed build more easily?

For question I again had to speak with the test engineers about what can be an improvement for their testing environment.

Methods used: Expert interview, Interview, Brainstorm

1. What are some of the most common issues that occur?

At this point I already had created the main part of

Methods used: Expert interview, Data analytics, Problem analysis

1. Conclusion

To conclude this research, we have answered all of the sub-questions above. Now that we have done this, we can answer the main question.

With this we can conclude the initial research that was conducted during the development of the HeardIT application. From this research I continue with more in-depth research documents about the specific features that I created in order to find the solutions to these questions. For more detailed information, refer to the respective documents for each feature:

* *Research-Test-Broker Engine Failure analysing script.docx*
* *Research-Test-Broker Engine automatic labelling script.docx*
* *Research-* *Failed\_Unlock Issue improvement.docx*