

# Listen Up

## Research Document

Mohammad Nazibul Kabir Khan

4263308

## Introduction

This document is about the research done to get answers of list of questions. These questions are related to the understanding new things and getting new ideas to be used in ListenUp project.

# Research Questions

## **Major 1: What data should the software store?**

### **Minor 1: What user data should be stored?**

Methods:

- Competitive analysis
- Explore user requirements
- Security test

### **Minor 2: What details of main component need to be stored?**

Methods:

- Competitive analysis
- Explore user requirements
- Data Analytics

### **Minor 3: How to determine relevancy of the data stored?**

Methods:

- Competitive analysis
- Explore user requirements
- Data Analytics

## **Major 2: How to use React and connect the front-end to back-end?**

### **Minor 1: What are the functionalities of JavaScript that are important to learn?**

Method: Literature study

### **Minor 2: How to use axios?**

Method: Literature study

## **Major 3: What are DTOs**

### **Minor 1: Why DTO?**

Method: Literature study

### **Minor 2: How to convert DTO to model and vice versa?**

Method: Literature study

#### **Major 4: How to determine quality of the code?**

Methods:

- Code review
- Unit testing
- Root cause analysis

##### **Minor 1: What is SonarQube?**

Method: Literature study

##### **Minor 2: How to use SonarQube?**

Method: Literature study

##### **Minor 3: How to connect SonarQube with git using yaml file?**

Method: Literature study

#### **Major 5: How this application is better than its competitor?**

Methods:

- Benchmark test
- Available product analysis

#### **Major 6: How can this application be extended?**

Methods:

- Brainstorm
- Explore user requirements

## Conclusion

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