

# Research plan

## *Kwetter*

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1	14/09/2024	Saeed Ba Wazir	Adding The opportunity, Research questions, and deliverables sections	Reviewing

#### Distribution

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# 1. The opportunity

After addressing the questions outlined in this document, our plan is to delve deeper into understanding how enterprise applications scale, ensuring the security of the enterprise, and effectively managing user data.

## 2. Research questions

For this research we will use [DOT Framework](#) methods and the frameworks [patterns](#), the patterns are set of different types of research methods that help to reach to the results of the research.

By answering the main question which is “How can the enterprise ensure that its operations can grow efficiently, maintain security, and adhere to legal compliance regarding user data and communication within the application?” using the sub questions results we will learn more about how to build enterprise software.

For the first sub question which is “How can the enterprise scale to ensure high value and optimal user experience for the databases and the services?” we will use it to learn how to scale the enterprise if there is huge load on the enterprise. In order to answer the first sub question we will use [realise as an expert](#) research pattern to get familiarity with available technologies for scaling the enterprise, after that we will use [literature study](#) method to get started with basis of our knowledge, after that we will move to [prototyping](#) which will help us to learn how to work with the technologies, finally we will use [Product review](#) method to make sure that is the prototype help us achieving our goals.

By answering the second sub question which is “How can the security be guaranteed of the communication within the application?” we will learn more about the security within the application and how to handle it. For this question we will use [realise as an expert](#) research pattern to get familiarity with best practices, therefore we will use [best good and bad practices](#) method to learn more about what is the best practice regarding security, after that we will use [requirements prioritization](#) method to choose what we will implement for the this project for this phase, lastly we will use [product review](#) method to ensure that we match the requirements of the project regarding security.

The third sub question is “How can we ensure that the handling of user data adheres to EU laws and regulations?” by answering this question we will learn more about what are the regulations when handling the user data. We will use [realise as an expert](#) research pattern to learn about the laws and regulations, so we will start with [literature study](#) method after that we will use [requirements prioritization](#) method to choose what we will implement for the this project for this phase, lastly we will use [Ethical check](#) method to triangulate the results.

## 3. Deliverables

To deliver this research, we will provide a comprehensive research report showcasing our utilization of various research methods to obtain the results. Finally, we will illustrate how these research findings directly impact the project itself, we estimate that the results of the research should be delivered before 2<sup>nd</sup> June 2024.