Complex project plan of approach

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September 4, 2025

Complex project SE (CU75047)

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2.1 Organization

2.1.1 The Launch of a Unique Knowledge Center

Many organizations have long been dedicated to an integrated approach to combating undermining. Each, drawing on its own expertise, possesses valuable knowledge and data. The real strength lies in combining this knowledge and data, which offers opportunities to gain deep, new, and supplementary insights. The Strategic Knowledge Center on Undermining Crime (SKC) was established precisely for this purpose.

The purpose of the SKC is to gather and interpret information and knowledge for a problem-oriented approach to combating undermining by organized crime, in order to prevent social disruption. With this goal, and thanks to its analytical expertise and connecting capacity, the SKC aims to make the Netherlands more aware, safer, and more resilient.

2.1.2 The SKC within J&V: Independent and Policy-Neutral Analyses

The SKC, based in Vlissingen, is part of the Ministry of Justice and Security, with the Directorate-General for Undermining (DGO) as the coordinating client. The SKC produces independent analytical products on the undermining activities of organized crime.

These products are policy-neutral: they do not contain advice or recommendations, nor do they evaluate existing policies. SKC publications are intended for officials involved in strategy and policy development for the integrated approach to combating undermining.

2.2 Products

2.2.1 Ambition and Composition of the SKC

The SKC delivers leading analytical products on the undermining activities of organized crime. It creates distinctive value by:

- providing strategic insights,

- conducting (inter)national research,

- consolidating the knowledge of organizations

- analyzing data on complex issues related to undermining.

The SKC complements other organizations and does not assume their responsibilities or authorities. It leverages its unique position as a public service provider for independent analyses. This enables collaboration with security organizations, knowledge and educational institutions, and partnerships involved in combating undermining.

Key partners include: Clingendael, Insight Crime, Global Initiative, The Hague Centre for Strategic Studies, HZ University of Applied Sciences, University College Roosevelt, and Erasmus University Rotterdam. The SKC continues to seek new partners to expand its network and further enhance the value of its analyses.

Analytical products at the SKC are created by a multidisciplinary team of researchers, analysts, data scientists, strategic advisors, communication and visualization specialists, and liaisons from partner organizations (Public Prosecution Service, Police, Royal Netherlands Marechaussee, Customs, Tax Authorities, and FIOD). To maximize the team's effectiveness, the SKC fosters a progressive, positive, and innovative culture.w

2.2.2   Core and Additional Research

In addition to the DON (National Threat Assessment on Undermining Crime), the SKC conducts other research in the form of international and thematic studies. These studies also serve as input for the core product, the DON.

The first two thematic studies focus on:

1. Youth

2. Criminal Influence through Corruption, Infiltration, and Violence.

The international studies aim to provide an overview of the main developments in organized crime that pose risks to Europe and the Netherlands. These geographic studies together create a picture of the scale of criminal networks and form the international foundation of the DON.

The SKC has already completed and published the *Transatlantic* and *Eastern Europe* international studies. It is currently conducting studies on Europe, Africa, and Southeast Asia. Each geographic study provides a thirty-year retrospective on the development of organized crime, focusing on criminal networks and the flow of goods, finances, and communication/information.

Annual updates of these international studies are based on the monitoring of information, data, and knowledge sources using data science. This approach is exemplified by the first SKC update that has already been published: *A Strategic View on the Dynamics of the International Drug Market.*

2.2.3   SKC Publications

The DON, international studies, and thematic studies are compiled from publicly available sources. The SKC's approach is to bring together current, expert, and reliable insights that contribute to a comprehensive and dynamic understanding of undermining by organized crime.

When preparing the DON:

- no privacy-sensitive data is processed

- operational information such as personal data is excluded

- case examples consist of abstracted information where specific details remain unknown to the SKC.

When requesting information from organizations or partnerships, the SKC assumes that the data may be used for the public threat assessment or related studies, with proper source attribution.

2.3   Existing solutions

3 Problem and goals

This chapter is going to describe problem that the company is facing and why is that so. Chapter will continue with proposition of how this problem can be solved.

3.1 Problem

The company's employees are collecting information from various publicly available documents, which are processed through two routes.

In the first route, metadata and information such as author, publication year, and other details are processed, collected, and stored through internal software. This tool uses large language models to generate insights about the documents, which are then stored in the internal database. However, the tool is still under active development and is not yet fully utilized.

The second route involves the manual intake of documents. In this process, analysts use an Excel spreadsheet to write short subjective summaries of the documents. While the spreadsheet is well organized, the growing number of processed documents makes it increasingly difficult to search for specific phrases and trace them back to the original documents.

According to the project's main stakeholders, navigating complex Excel tables has become time-consuming and error-prone. Therefore, developing a coherent online tool would greatly benefit the organization.

3.2 Project and solution

The project aims to create a reliable solution that abolishes the current system of compiling information through excel sheets.

The main focus will be to create an intuitive application that boasts a comprehensive user interface that aims to streamline the process of compiling information for the analysts and data engineers of the Strategic Knowledge Center of Undermining Crime (SKC).

4 Learning outcomes

4.1 Analysis

The first step in creating a useful tool for the company is to define both functional and non-functional requirements since they will shape the direction of the project from very beginning. Those requirements will be outcome of the analysis process specified in this process.

First and foremost, the target audience and key stakeholders will be identified. Without this step, it would be difficult to narrow the focus to a specific group of people, which would make the requirements too broad and make their validation much harder. Key stakeholders will be mainly used for t

Once the target audience is known, initial interviews with selected individuals will be conducted. The aim of these interviews is to gain a better understanding of the bottlenecks and hurdles in the current process that this project is intended to address. The interviews will be structured, meaning that selected candidates will receive a list of questions in advance to ensure that all questions are fully answered. To better evaluate the responses, the interviews will be recorded (with the interviewee's consent). After the initial interviews are analyzed, a list of requirements will be compiled and validated with the key stakeholders of the project.

While interviews will help identify the most obvious requirements, some may still be missed if interviewees are not fully prepared. To address this, an observation method will also be used, where two team members will observe the process that the product is meant to assist and take notes. Additional requirements identified this way will also be validated with key stakeholders.

Since there is an in-house application that has been tested but is not yet fully utilized, interviews with its developers will be conducted to clarify how the new product should integrate with the existing system. The conclusions from these interviews will mainly affect the functional requirements created earlier.

Based on the steps above, a list of functional and non-functional requirements will be created. This list will then be reviewed by the team and categorized according to the estimated size and complexity of each requirement.

4.2 Available solutions

4.3 Proposed solution

4.4 Advice

5 Timeline

References