

OSINT PROJECT

Project Management Plan



ILLINOIS INSTITUTE
OF TECHNOLOGY

Department of Information Technology and Management

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Revision History

Note: The revision history cycle begins once changes or enhancements are requested after the document has been baselined.

Date	Version	Description	Author
4/28/2024	3.0	Project Management Plan completed	All team members
4/23/2024	2.1	Finished OSINT program made modifications to QA, and project measurement plan	Rana and Dipika
4/15/2024	2.0	Formulated Risk Management Plan	Dipika
4/10/2024	1.1	Added project organization and control mechanisms	Krishna
4/04/2024	1.0	Outlined introduction (scope, goals, objectives) as well as work breakdown	All team members

Artifact Rationale

The Project Management Plan (PMP), according to the Guide to the Project Management Body of Knowledge (PMBOK®), is a formal, approved document used to guide both project execution and project control. The primary uses of the PMP are to document planning assumptions and decisions, facilitate communication among stakeholders, and document approved scope, cost, and schedule baselines. By showing the major products, milestones, activities, and resources required on the project, it is also a statement of how and when a project's objectives are to be achieved.

The project manager creates the PMP following input from the project team and key stakeholders. The plan should be agreed on and approved by at least the project team and its key stakeholders.

The PMP is mandatory for all projects. While it is a project-level document, it should be updated as necessary, including for each increment.

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1. Introduction

This PMP describes the project management processes that OSINT Group 1 will follow during execution of the OSINT project. The project's processes will align with plans and processes of the Project Management Accountability System (PMAS) Guide. New processes will be defined for any management areas not covered by the PMAS Guide. This PMP will govern the management practices across the life of the project. As those practices evolve, this document will be updated to reflect the changes (Shrivastava, 2023).

1.1. Project Overview

The project's goal is to produce an OSINT dashboard with social media network integration. With the aid of the tool, customers will be able to access social media data in its entirety and utilize it to evaluate and make judgments. Creating data integration and analysis tools, testing and debugging the program, and creating the dashboard interface are some of the main tasks. The dashboard software and documentation are important work deliverables. Final software delivery and the conclusion of the design, development, and testing phases are significant turning points. Data analysts, project managers, and software developers are among the needed resources. Through project planning and management, master high-level schedules and budget needs will be established.

1.2. Scope Statements

Social Media data collection, analysis, and visualization will be possible through a single interface for users according to the dashboard. Instagram, Facebook, LinkedIn, Twitter, and other social networking sites will all be supported by the dashboard's architecture. Designing the dashboard interface, testing, and debugging the software, and creating tools for data integration and analysis are all part of the project. Beyond what's required to keep the software running well, no further hardware development or infrastructure setup will be part of this project. The primary objective of the project is to provide a

software solution of superior quality that satisfies the given specifications and provides benefits to the consumers (Saddam, 2023).

1.3. Goals and Objectives

The goal of this project is to develop an OSINT dashboard that offers a thorough picture of social media data, is easy to use, and seamlessly connects with social media platforms. While data integration and analysis technologies are being created to help users collect and analyze social media data, the dashboard design will be simple to use and intuitive. To guarantee that the product is delivered on schedule and under budget, it will go through extensive testing and debugging. To make the most of the software, users will receive thorough documentation and training resources. The goal of this project is to produce a top-notch OSINT dashboard that enhances end users' experiences by giving them a strong tool to collect, examine, and display social media data from several platforms in a single interface.

1.4. Stakeholders and Key Personnel

Although the professor is the only stakeholder in this initiative now, more stakeholders might become involved in the future given its potential. All the group members, as well as Professor Dawson, who acted as the project's adviser, are important people for this project.

2. Project Organization

The project organization started by creating a mission statement that was accompanied by goals and objectives. Roles were defined when the procedures were created as previously mentioned. As Project Manager, Dipika ensured that all teams understood their roles and the deliverables they needed to turn in on time to ensure the group finished the project by the deadline for the final presentation.

3. Acquisition Process

For this project, there is not an acquisition procedure set up yet.

4. Monitoring and Control Mechanisms

This project follows standard monitoring and control processes as defined in ProPath for risk management, requirements traceability, and operational readiness.

5. Systems Security Plans and Requirements

System security plans and requirements will be developed as part of the project's planning phase.

6. Work Breakdown Structure (WBS) and Schedule

Each member of the work breakdown structure was assigned a position, and these positions were divided into positions.

- Project Manager: Dipika
- Developers: Rana, Dipika, Krishna
- Tester and analysis: Krishna, Rana
- risk management spreadsheet: Dipika.
- Earned value spreadsheet (evm workbook): Krishna.
- Project Management Plan: Dipika

Task-related communication was mostly conducted via Discord. We used Discord as both a task scheduler and a venue for members to keep each other informed about the status of their individual tasks.

7. Project Success Criteria

The overall definition of the project's success is creating a functional social media OSINT data collection application that can be utilized as an efficient infosec tool. The following criteria was created to improve the objectivity and measurability of this criteria:

- **Usability:** Even for users with no prior familiarity with OSINT technologies, the dashboard needs to be simple to navigate. Positive customer feedback about the ease of navigation and interface use is a sign of a successful product.
- **Data accuracy:** The dashboard's collection of social media data needs to be trustworthy and accurate. Data accuracy is a critical success criterion since the product's success will be contingent on the quality of the data it offers.
- **Performance:** The dashboard needs to function effectively, even when handling substantial volumes of data. It must be able to manage several users and offer dependable, quick data access.

8. Communication Management Plan

As stated previously, discord was used for communication on this project. In addition to having separate breakout rooms for each project team, the Discord server was designed with a general chat feature for group discussion. We were able to maintain a high degree of beneficial contact and minimal disruption from notifications as a result.

9. Risk Management Plan

Our Risk Management Plan can be found in the OSINT Project folder. Complete Project folder can be found on GitHub.

The Risk Management Plan relies heavily on risk mitigation techniques but also includes contingency and avoidance strategies.

10. Training Plan

The developers of this project will carry out the training plan by showing the operation of the OSINT dashboard. Both a live presentation and a thorough, step-by-step video demonstration will be provided for this.

11. Quality Assurance Plan

- **Functional Testing:** Ensure that all dashboard features operate as intended and that data is collected, examined, and displayed.
- **Usability Testing:** Verify that the dashboard works well and is responsive across all platforms and browsers.
- **Performance Testing:** Verify that the dashboard can handle a lot of data and is responsive and steady.
- **Security Testing:** Ensure that all third-party integrations are safe, user data is protected, and the dashboard is secure.

12. Project Measurement Plan

Our OSINT dashboard provided a multitude of measurements, test data, and samples that can all be found in OSINT Folder.

13. Reference Materials

Provide a complete list of all documents and other sources referenced in the PMP including all referenced policies and procedures.

Saddam, A. (2023, March). *medium*. Retrieved from medium:
<https://medium.com/learning-about-data-mining/python-scraping-twitter-data-using-snsrape-in-python-774ff1dca225>

Shrivastava, A. (2023, April). *medium*. Retrieved from medium:
<https://medium.com/scalereal/million-tweets-and-counting-how-snsrape-can-help-you-scrape-big-data-on-twitter-5c0240cab4f3>

Approval Signatures

14. Project Plan Approval

The signatures below indicate that the undersigned:

- Have reviewed the Project Plan.
- Have formally voiced applicable concerns to the PM.
- Concur that the Project Plan accurately represents their expectations and conditions required for the project.
- Are committed to providing the required resources.
- Are unaware of undocumented conditions that prevent the success of this project.

REVIEW DATE: 5/5/2024.

SCRIBE:

Signed:

Project Manager

Date

Signed:

Business Sponsor

Date