**Process Report**

A blue logo with a shark head

Description automatically generated

**Date:** 28-03-2022

**Group:** PRJ-CB06 2

**Name:** Zoop

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# **Introduction**

The purpose of this process report is to outline the development stages and methodologies employed in creating a comprehensive software system for zoo management. The software system consists of two main components: a desktop application for staff administration and a web application for customer interaction. The primary objectives of the project include simplifying employee and animal management, facilitating feeding schedules, and enhancing customer experience through online ticketing and event information dissemination.

# **Client**

**Business*:***Zoo Bazaar (Daughter company of Jupiter)

**Contact Person:** Henriette (Manager at Zoo Bazaar)

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# **Team Members**

|  |  |  |
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# **Requirements analysis**

* Conducted stakeholder interviews with zoo management to gather requirements and client needs.
* Identified key features such as employee management, employee task management, animal tracking, feeding schedule generation, event management, and online ticketing.
* Prioritized requirements based on criticality and feasibility.

# **System Design**

* Development of a system architecture encompassing both desktop and web applications.
* Designing an intuitive user interfaces for staff administrative tasks, focusing on ease of use and efficiency.
* Utilization of modern web development frameworks for the customer-facing web application to ensure responsiveness and scalability, instead of only relaying of customer being able to purchase tickets and view event at the zoo by visiting it.
* Implementation of a robust database schema to store employee, animal, event, and ticketing information securely.

# **Future plans for Deployment and Release**

# Deployment of the desktop application within the zoo's internal network, ensuring compatibility with existing infrastructure.

# Hosting the web application on a secure server with appropriate security measures such as SSL encryption.

# Conducted thorough testing post-deployment to validate system integrity and performance.

* Releasing the software system in phases, starting with limited user access and gradually expanding to full deployment.

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# **Conclusion**

The development of the software system for zoo management involved a systematic approach encompassing requirements analysis, system design, development, testing, deployment, and maintenance phases. By focusing on the core objectives of simplifying employee management, promoting animal well-being, and enhancing customer experience, the software system aims to streamline zoo operations and foster a positive visitor experience. Continuous improvement and adaptation to evolving requirements will be essential to ensure the long-term success and sustainability of the software solution.

**Personal Reflections**

**Dylan:** Working with a group of people is always a challenge. The planning phase was a slow start but now we are ready for the development of the project.

**Sevdiye:** For this project, we prioritize managing our time wisely and dividing tasks to avoid conflicts and misunderstandings. As long as we support each other, share ideas, and meet deadlines, working together as a team is advantageous. Additionally, we are learning new programming skills to make our project more functional, which also contributes to our professional growth.

**Ilyas:** This project is much larger than we are used to so it comes with much more challenges. One of those was starting correctly but after some fumbling the project started and we are right on track.

**Mer:** The realization that working on bigger projects also means increased time management skills. It is quite hard to get started but once you get going with the work flow you can integrate your ideas with the other team members into faster solutions. Once a good start, always a great continuation.