Project plan

By Zooland

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# 1. Client

"Zoo Bazaar" is a newly established zoo management company gearing up for the grand opening of their inaugural zoo in Eindhoven. Backed by their parent organization, "ZooLand," they are dedicated to ensuring a seamless and well-organized start to their venture. For any inquiries or communication, please reach out to Rafayel Avetyan at [r.avetyan@fontys.nl](mailto:r.avetyan@fontys.nl).

# 2. Team

We are "Team ZooLand," a cohesive group of four professionals, all specialized in the field of software engineering. Each member also holds a key additional role within our team:

* Kaloyan Kulov: Group Leader (Contact: [500862@student.fontys.nl](mailto:500862@student.fontys.nl))
* Troyan Georgiev: Chairman
* Ilia Lazarov: Secretary
* Ivan Petrov: Helper

To streamline communication and enhance our efficiency, we will use a single email address from which all messages will be sent. Please direct all correspondence to: [500862@student.fontys.nl](mailto:500862@student.fontys.nl).

# 3. Current situation

"Zoo Bazaar" is presently operating without any specialized software or a dedicated website to oversee the management of their forthcoming zoo in Eindhoven. They rely on traditional, manual methods, such as Excel spreadsheets and paper records, to handle various aspects of zoo management, including employee data, animal records, and scheduling.

# 4. Problem description

Certainly, here are the challenges faced by “Zoo Bazaar” management broken down into bullet points:

* **Employee Scheduling and Allocation**: Difficulty in creating efficient work schedules for zoo staff while ensuring proper allocation of responsibilities and shifts.
* **Animal Management**: Establishing and maintaining feeding timetables for a diverse range of animals while ensuring the well-being and care of each animal species.
* **Data Management and Species Information**: Managing comprehensive data about different animal species, including updating records to introduce new animals to the zoo and generating/maintaining statistical information for zoo operations.

# 5. Project goal

To seamlessly transition from manual zoo management methods to an efficient and integrated digital system that encompasses employee scheduling, animal care, and comprehensive data management. This includes the development of software and a website to streamline operations, enhance visitor experiences, and ensure the well-being of both employees and animals at the zoo.

# 6. Deliverables and Non-deliverables

Deliverables:

* Zoo Management Desktop Software
* Zoo Website
* Employee Scheduling Implementation
* Animal Care Implementation
* Project Documentation

Non-deliverables:

* Manuals for Desktop Software
* Manuals for Website
* Third-party Hosting Servers

# 7. Constraints

These constraints provide valuable guidance for project planning and execution. Here's a summary of the key limitations:

* **Programming Languages**:
  + Desktop Application: C# with Windows Forms.
  + Web Page: A combination of HTML, CSS, and optionally JavaScript.
* **Database**:
  + MSSQL with the Luna database server will be used for data storage.
* **Project Timeline**:
  + The total project duration is limited to 18 working weeks.

These limitations will help in defining the technical framework and scope for the project, ensuring that the development team works within these constraints to achieve the project goals efficiently and effectively.

# 8. Phasing

