Project plan

Zoo Bazaar Management Software

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# Current situation

## Client

The client of our team is Tim Jansma, and he represents “Zoo Bazaar”, which is opening their first zoo in Eindhoven, funded by its parent company “Jupiter”.

## Team

Our team is called “Code of duty” and he is represented by our leader Stoil Yonchev. The other members of the team are Radolina Petrova, Martin Todorov, Georgi Zhizgov and Danilo Gutesa.

## Current situation

The big zoo management franchise, “Zoo Bazaar” is opening doors in Eindhoven, and they intend to be prepared as possible. However, their management foresees a major difficulty in keeping track of their employees and animals. Therefore, they decided to hire a team of software professionals to develop an administrative system, that allows the users to keep track of the recourses.

# Problem description

As stated above the main problem of “Zoo Bazaar” is keeping track of the employees, the animals, and their information. The representative of the franchise clarified that despite the various difficulties the zoo faces, they put highest priority on the management of the welfare of the animals, because of its complexness. It requires not only easy access to their information as a species or as an individual, but as well as creation of timetables for the supervision of their well-being. These most importantly contain details about their feeding schedule, as well as health check-ups and the time they should be moved to their outdoor location. Because currently these tasks, since being done on paper by the employees, require a lot of looking up of the specific information about each animal, which is quite error prone. Other aspects of the problem with the management include the commandment of the employees, which involves having easy access to their personal data, that is needed for assigning them tasks. Which again without a designed software with that purpose takes a lot of effort.

# Project goal

The goal of the cooperation between our software team and the zoo management franchise is to develop an administrative system according to the requirements and needs of “Zoo Bazaar”, which is user friendly and easy to navigate through. Every user, depending on their working position in the company, will have their own account that grants them access to specific information and allows them to perform different tasks. The system should be able to manage various aspects of the zoo. First, the management of the animals, employees and their information will be a task performed by the administration. The resource planners will be responsible for the creation of the schedules for looking after the animals and will naturally have access to all their information, as well as to this of the employees. The caretakers will only be able to access information about the animals they are responsible for and the scheduling of the planners, which will be available in the web application. They will also be able to leave notes concerning different topics about the animals to the other caretakers. And regarding the accounts, everyone will be able to access the details about their theirs and manage them. Furthermore, with the approval of the administration, the personal information of the employees can also be changed.

# Deliverables

* Software solution
* Database
* Documentation
* URS
* Project plan
* Process plan
* Test cases

# Non-deliverables

Despite all the limitations and constraints of the project, we will make sure to meet the expectations of the client with the software solution. Although, there are some features that will not be delivered by the end of these six weeks.

These include:

* Creation of website for online sale of tickets
* Purchasing of tickets in advance
* Keeping track of the sold and used tickets
* Setting the price of the tickets
* Viewing how many people are currently in the zoo
* Preparation of statistics about the work performance
* Preparation of statistics about the animals (number of species per location, number of species, groups of animals etc.)

# Constraints

During our working process we have the following constraints of the project management:

* Limited time
* Usage of version control system
* Deliver a documentation of the project (project plan, URS, UML diagram, project report)
* Deliver a test plan
* Preparation of agenda of the meeting and keep track of the meeting minutes

# Phasing

Table

Description automatically generated with medium confidence

# Project Tracker

## Iteration 1:

Start date: 28.03.2022

End date: 17.04.2022

|  |  |  |  |
| --- | --- | --- | --- |
| Week | Start date | End date | Milestone/Activity |
| 7 | 28.03 | 03.04 | Discussion with client and tutor, planning |
| 8 | 04.04 | 10.04 | Code implementation (improvement of code quality) |
| 9 | 11.04 | 17.04 | Bug fixing, minor improvements |

## Iteration 2:

Start date: 18.04.2022

End date: 15.05.2022

|  |  |  |  |
| --- | --- | --- | --- |
| Week | Start date | End date | Milestone/Activity |
| 10 | 18.04 | 24.04 | Discussion with client and tutor, planning |
| 11 | 25.04 | 01.05 | Code implementation:   * Layout of web application * Change of login credentials * Schedule improvement (regarding contracts) * Unit testing * Dependency inversion * Requests for change of personal information * Caretaker notes |
| 12 | 11.04 | 17.04 | Bug fixing, minor improvements |