# Overview

Project is aimed to create information system of the zoo. Designed system should provide web user interface for user interaction.

# Technical Details

Developed system should be a client-server application. User should interact with the system via web interface.

Problem set #7 can be used as a base for the project. Use any third-party component like CS50 PHP library according to licensing terms.

## Data base

Following information should be available and maintainable in the system:

* Species presented in the zoo
* Each animal name, weight
* Ration of each animal
* Available cages and animals occupying each cage

## Functional Requirements

* System provide means of authorization
  + System should ask for user’s nick and password for a registered user
  + System should provide registration form for a new user
  + System should store the following info about each user:
    - First name
    - Last name
    - Address
    - Phone number
    - Nick
    - Password in an encrypted form
* System should provide main page with general info about the zoo
  + For registered user system should provide
    - link to page with all animals
    - link to page with cages
  + For an unregistered user system should provide
    - Interactive map of the zoo with cages and animals
* System should provide page with all animals
  + For not registered user system should redirect to authorization page
  + For registered user
    - System should list all animals
    - System should display ration of each animal
    - System should allow to add and delete animals
    - System should provide search by
      * Animal name
      * Species name
* System should provide page with all cages
  + For not registered user system should redirect to authorization page
  + For registered user
    - System should list all cages
    - System should display animal(s) currently living in each cage
    - System should allow to add and delete cages
    - System should allow to changes animals living in a cage