Vanier College

Computer Science Department

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**Tumor Study Organizer**

User Manual

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420-331-VA APPLICATION DEVELOPMENT 1

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# Introduction

The **TSO** (Tumor Study Organizer) is an invaluable piece of software for pharmacologists all around the world. This piece of software is an interactive database that allows its users to organize information on mice dosing, mice groups, group information, mice information, and which pharmacologist is responsible for which mouse. This manual will provide a useful explanation and demonstration on how the application works to provide the user with enough information to use it.

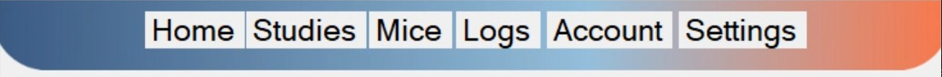
# Interactive Features

* Login with different users
* View all the different studies being conducted, have been conducted, or going to be conducted. And to also filter through all the studies.
* View different groups of mice and create mice by inputting characteristics to it.
* Perform studies on the mice by giving and modifying doses.
* Euthanizing the mouse if the mouse has suffered enough.
* Create logs that allow the user to automatically catalog changes that have been made.
* Account that displays the user’s information and allows them to take private notes.
* Settings screen: log out, change language, about button, creation of new user.

# Graphical User Interface

# Basic UI

All the features that are used withing this application are located within the menu bar located at the top of the page.



# User Management System

On this page, the person using this application must login to the system by inputting their **username and password** and then press the **Login** button to verify and retrieve the data that corresponds to them. The user also can change the application’s language in the login screen to either English, French or Spanish.

Graphical user interface, application

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# Home Page

The home screen features a calendar so the user can know which day it is. This screen also shows all the ongoing studies and a list of all the users that are signed up for the application.

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# Studies Page

Within the Studies page, the user can view the list of all the previous, ongoing or pending studies. They can add a study, edit a study, or even assign themselves to a study.

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# Mice Page

On the Mice page, you can create a mouse, edit a mouse or create a new group.

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# Logs Page

On the logs page, the user can create logs to document any information on a certain mouse and its tumor information.

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# Account page

The account page provides information on the user that is currently logged in and allows them to change/update their information. The user also has a private place to write down notes/comments if they so please.

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# Settings Page

The Settings page features general application uses such as logging out, an about us, and finally to create a new user. We also provided a special feature to watch a mouse dance to provide comfort to the pharmacologists if they so please. The user can also change the application’s language in the settings screen.

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