



Inmate Insight

Proyecto Final

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Abstract

Efficient and secure management of prison data is critical for ensuring accountability and rehabilitation within correctional facilities. However, the lack of centralized database systems and reliance on manual methods pose significant challenges, including errors, inconsistencies, and security breaches. In response, the Inmate Insider project aims to address these issues by introducing a comprehensive solution that promises efficiency, security, and rehabilitation in prison management.

Key features of Inmate Insider, designed with your ease in mind, include a user-friendly interface for streamlined addition and modification of prisoner data, along with robust search functionality and database visualization tools. Objectives of the project encompass ensuring security and privacy, developing a user-friendly interface, and enhancing efficiency and accuracy in prison management processes.

The implementation plan involves collaboration with prison authorities for system integration and testing, conducting training sessions for effective adoption of the user interface by prison staff, and, most importantly, continuous feedback collection. Your input is crucial for further improvements and the success of the Inmate Insider project.

Moreover, to fulfill the project objectives, the program "Prison" will implement advanced programming concepts, including data encapsulation, instantiation of classes, inheritance, graphical user interface concepts, and database integration. The program will feature private attributes such as prisoner ID, name, last name, photo, birth date, physical attributes, place of birth, sentence details, and dates of conviction and liberation. The menu will include options for adding, modifying, searching for prisoners, displaying prisoner lists, accessing help contents, and viewing information about the program. Additionally, the program will utilize a database to store and retrieve prisoner information, integrating with an `OpenFileDialog()` class for photo selection.

User Manual (English)

Menu:



Add Prisoner:

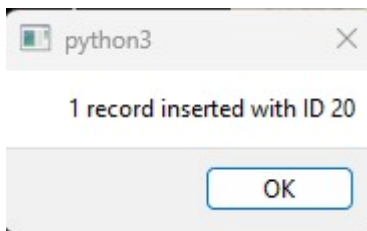
Fill in all information of prisoner:

The screenshot shows a window titled 'Form' with a dark background. It contains several input fields for adding a prisoner. The fields are arranged in two columns. The left column contains labels and corresponding input boxes: 'Prisoner name:' (a single-line text box), 'Last name:' (a single-line text box), 'Birth date:' (a date picker showing 'yyyy/mm/dd'), 'Height(ft/in):' (a text box containing '5.11'), 'Hair:' (a single-line text box), 'Eyes:' (a single-line text box), 'Place of Birth:' (a single-line text box), 'Sentence:' (a multi-line text area), 'Date of Conviction:' (a date picker showing 'yyyy/mm/dd'), and 'Date of Liberation:' (a date picker showing 'yyyy/mm/dd'). The right column contains a 'Photo:' label and a single-line text box. Below the 'Photo:' text box is a button labeled 'Add Image'. At the bottom of the form, there are two buttons: 'Close' on the left and 'Add' on the right.

If all information not filled:



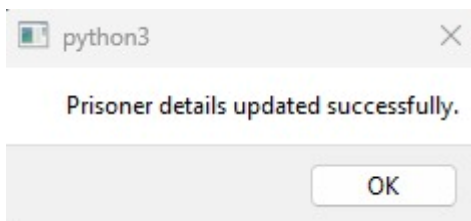
When all information entered this will pop up as a confirmation, and give the prisoner its corresponding ID number:



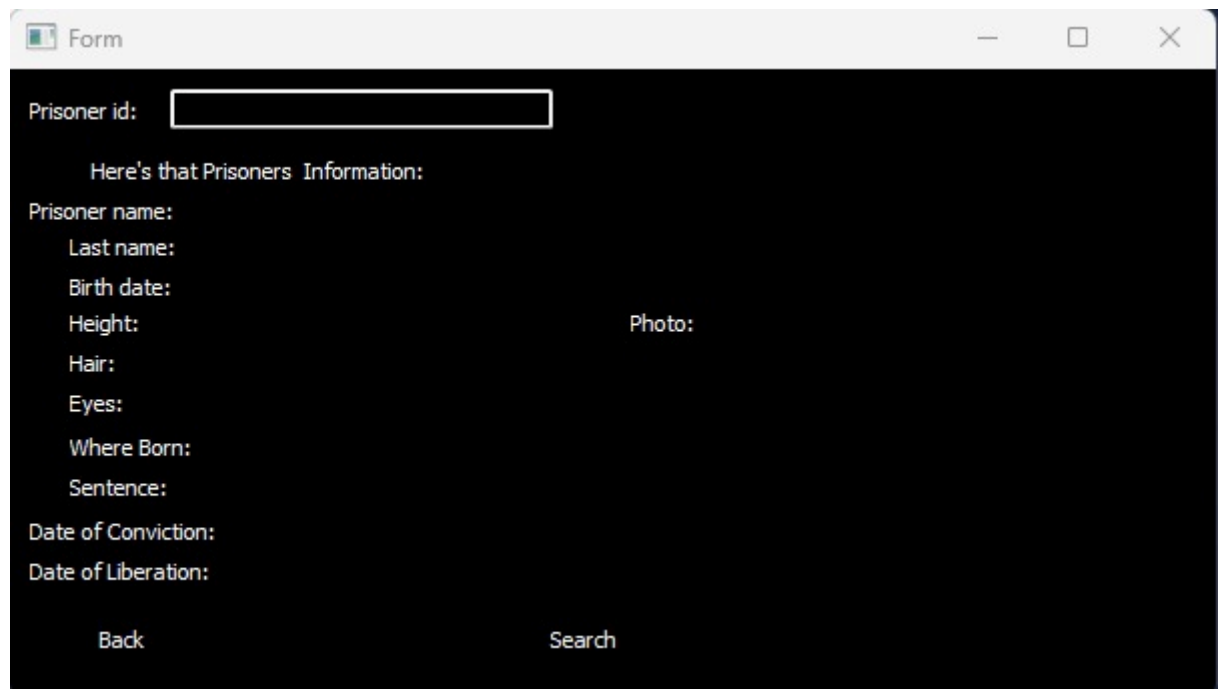
Modify Prisoner:

A window titled 'Form' with a dark background. It contains a 'Prison ID:' label followed by a text input field. Below this is the section 'Modify This Prisoner:'. It includes labels for 'Prisoner name:', 'Last name:', 'Birth date:', 'Height(ft/in):', 'Hair:', 'Eyes:', 'Place of Birth:', and 'Sentence:'. Each of these labels is followed by a text input field. The 'Birth date:', 'Date of Conviction:', and 'Date of Liberation:' fields have a placeholder 'yyyy/mm/dd'. The 'Height(ft/in):' field has the value '5.11'. To the right of these fields is a 'Photo:' label followed by a text input field. At the bottom of the form, there are three buttons: 'Back', 'Modify', and 'Change Image'.

When all information filled it will show and confirmation:



Search Prisoner



Form

Prisoner id:

Here's that Prisoners Information:

Prisoner name:

Last name:

Birth date:

Height:

Hair:

Eyes:

Where Born:

Sentence:

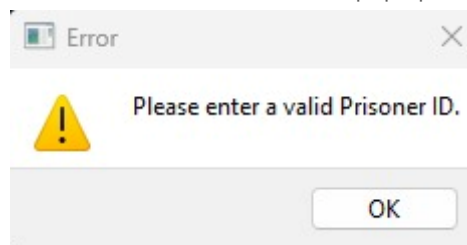
Date of Conviction:

Date of Liberation:

Photo:

Back Search

If didn't enter a valid ID This will pop up:




Error

! Please enter a valid Prisoner ID.

OK

This is an example of how it could show up as:



Form

Prisoner id:

Here's that Prisoners Information:

Prisoner name: Butter

Last name: Bread

Birth date: 2000-09-08

Height: 5

Hair: Brown

Eyes: Blue

Where Born: Toaster

Sentence: Assult/Battery

Date of Conviction: 2016-12-06

Date of Liberation: 2030-12-06

Photo:

Back Search

Shows List:

This is an example of how it will look like:

1	Manson	Charles	cmanson.jpg	1934-11-12
2	Fargas	Gabriel	Dark Blue ...	2008-09-09
3	d	d	Dark Blue ...	2004-09-09
4	T	Boocker	Dark Blue ...	2004-09-09
5	dwndj	njsdn	Dark Blue ...	2004-09-09
6	lol	lol	Dark Blue ...	2004-08-09
7	yre6r	jil	4129901.jpg	2024-12-09

Back

Help:

Help:

If having problems please email us:

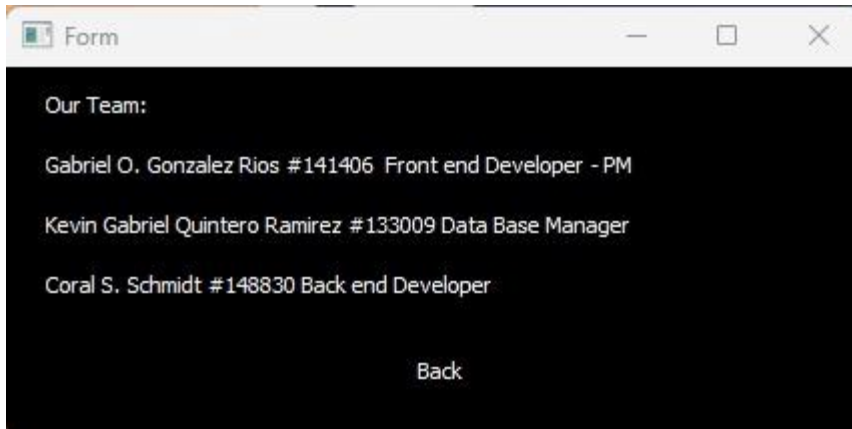
- schmidt_148830@students.pupr.edu
- quintero_133009@students.pupr.edu
- gonzales_141406@students.pupr.edu

!!IMPORTANT!!

Please include a detailed explanation of the problem and we will do our best solve it as soon as posible.

Back

About:



The screenshot shows a web browser window with a title bar that says "Form". The main content area has a black background with white text. It starts with the heading "Our Team:", followed by three lines of text listing team members: "Gabriel O. Gonzalez Rios #141406 Front end Developer - PM", "Kevin Gabriel Quintero Ramirez #133009 Data Base Manager", and "Coral S. Schmidt #148830 Back end Developer". At the bottom center, there is a "Back" button.

Form

Our Team:

Gabriel O. Gonzalez Rios #141406 Front end Developer - PM

Kevin Gabriel Quintero Ramirez #133009 Data Base Manager

Coral S. Schmidt #148830 Back end Developer

Back