For this code, you can use the following help text:

This is a simple application using PyQt٥ and ImageAI in Python that offers various functionalities. The application includes several windows and dialogs that allow the user to play videos, sign up as a new user, and edit their profile information. Additionally, this application uses the ImageAI library for object detection in videos.

Features of the Application:

١. Video Playback: The user can select a video and play it. This feature is activated through the "Choose Video" button.

٢. Play/Pause Video: Using the "Play/Pause Video" button, the user can pause or resume the video playback.

٣. Video Conversion: With the "Convert Video" button, the user can convert a video. This feature utilizes the ImageAI library to detect objects in the video and save the result.

٤. Sign Up: The application provides a sign-up process where the user can enter their email and password. The sign-up process is initiated through the "Sign Up" button.

٥. User Profile Editing: Users can edit their profile information, including name, email, phone number, address, degree, and age. This is done through a dialog window that allows the user to input their information.

٦. Background Image: The application sets a background image for the main window, enhancing the user interface.

٧. Navigation Buttons: The application includes navigation buttons for signing up, accessing the video player, and editing the user profile.

How to Run the Application:

To run this application, you need to have Python installed on your system along with the PyQt٥ and ImageAI libraries. You can install these libraries using pip:

Pip install pyqt٥

Pip install imageai

After installing the required libraries, you can run the application by executing the Python script. The application will display a main window where you can navigate to different functionalities.

Note:

- The video conversion feature requires a YOLOv٣ model file for object detection. Make sure to have the model file in the specified path.
- The user profile editing and saving functionalities use a JSON file (user_info.json) to store and load user information. Ensure the application has write access to the directory where this file is located.

This application demonstrates the use of PyQt٥ for creating a graphical user interface and ImageAI for object detection in videos, showcasing the capabilities of these libraries in building interactive and functional desktop applications.