**User Manual:**

**FLIGHT AID - Air Medical Transport Application**

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# Introduction

The **FLIGHT AID** application is designed to simplify the process of managing air medical transport requests. This application allows users to initiate transfers, add patient details, validate inputs, and save all relevant information to a file. The program includes input fields for employee number, time of call, and patient transport details.

# System Requirements

* **Operating System**: Windows, MacOS, or Linux (with Python installed)
* **Dependencies**:
  + Python 3.x
  + Tkinter
  + Pillow (PIL) library for image handling

# Installation Instructions

1. Install Python 3.x from [python.org](https://www.python.org/).
2. Install Tkinter (should be included with Python by default).
3. Install Pillow (for image processing) via pip:
4. pip install pillow
5. Ensure the image1.jpg and image2.jpg image files are located in the same directory as the application script.

# Getting Started

When the application is launched, a main window will appear where users can input their employee number, time of call, and initiate the transfer process.

# Main Window Features

1. **Employee Number Input**:
   * Label: "Enter your employee number:"
   * Text field to input the employee's identification number.
2. **Time of Call Input**:
   * Label: "Enter the time of call request:"
   * Text field to input the time the transport request was made.
3. **Buttons**:
   * **Initiate Transfer**: This button validates the employee number and time of call. If the inputs are valid, a confirmation message is displayed. Otherwise, error messages will prompt the user to correct the input.
   * **Add Patient Details**: Opens a second window for the user to input detailed information about the transport, including sending/receiving hospitals, patient details, and reason for transfer.
   * **Exit**: Prompts the user to confirm that they want to exit the application.

# Patient Details Window

The "Add Patient Details" button opens a secondary window for adding detailed information about the patient being transferred.

1. **Sending Facility Dropdown**:
   * Choose from: "Marion General", "Kokomo St.V", "Anderson St.V", "IU Tipton", or "Rush Memorial".
2. **Receiving Facility Dropdown**:
   * Choose from: "86th St", "Methodist", "Heart Center", "Ezkenazi", or "Riley".
3. **Patient Details**:
   * **Patient Name**: Input the name of the patient.
   * **Patient Weight**: Input the weight of the patient (must be numeric).
   * **Patient Age**: Input the age of the patient (must be numeric).
4. **Reason for Transfer Dropdown**:
   * Choose from: "Stroke", "Neuro", "Heart Attack", "AAA", "OB", "Burn", or "MVA".
5. **Buttons**:
   * **Submit**: Submits the form with the entered details and shows a confirmation window with the entered information.
   * **Save to File**: Saves the current transfer information to a file (Transfer Logs.txt) for record-keeping.
   * **Close**: Closes the patient details window.

# Error Handling and Validation

* The application validates all user inputs to ensure they are not empty, numeric (for weight and age), and alphabetic (for patient name).
* If there is an issue with any of the inputs, an error message will be displayed guiding the user to correct the mistake.

# Saving Data

When the "Save to file" button is clicked, all entered data will be appended to a file called Transfer Logs.txt. This allows users to maintain a log of all transport requests.

# Features Summary

* **Input validation:** ensures that the employee number and time of call are correct.
* **Multiple dropdown menus:** let users select the sending/receiving facilities and the reason for transfer.
* **Patient details form:** allows users to input and submit data related to the transport.
* **Save to file:** option stores all entered information for future reference.
* **Error messages:** alert the user if any inputs are invalid or missing.
* **Exit confirmation:** ensures the user doesn't unintentionally close the application.

# FAQs

**1. How do I initiate a transfer?**

Click on the "Initiate Transfer" button after entering the employee number and time of the call. If the entries are valid, a confirmation message will appear.

**2. What happens after I submit the patient details?**

After submitting the patient details, the application will show a confirmation message with the entered data, and the user can save the information to a file.

**3. How do I save transfer data?**

After entering the patient details, click on the "Save to file" button to save the information in the Transfer Logs.txt file.

**4. Can I exit the application without saving data?**

If you click the "Exit" button, the application will prompt you to confirm that you want to exit. If you select "Yes," the application will close.

# Troubleshooting

* **Application doesn't launch**: Ensure that Python 3.x is correctly installed, and the Tkinter and Pillow libraries are present.
* **Image not displaying**: Ensure that the image files (image1.jpg and image2.jpg) are in the same directory as the script.
* **File saving issue**: Ensure you have write permissions in the directory where the application is running.

# Contact Support

For additional support or feature requests, contact the developer team at [support@flightaid.com](mailto:support@flightaid.com).

This user manual provides an overview of the FLIGHT AID application, outlining its functionality, features, and how to use it effectively for air medical transport management.