

GiveOne User Manual

CIS 434 – Software Engineering

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1 Introduction

GiveOne is a micro-donation desktop application designed to encourage small but frequent charitable contributions. Users can donate as little as \$1 toward various causes, maintain a monthly giving summary, and view detailed donation history. GiveOne includes a simple Tkinter interface and stores all data locally for safe offline use.

This User Manual provides instructions for installing, launching, and operating GiveOne.

2 System Requirements

- Windows, macOS, or Linux
- Python 3.8 or later
- Tkinter included in the Python installation
- Minimal disk space required

3 Installation Instructions

1. Install Python from <https://www.python.org>.
2. Download or clone the project repository:

```
git clone https://github.com/AhmedShady84/CIS434-Project-or-SoftwareEngine
```

3. Open a terminal in the project folder.
4. Run the application:

```
python giveone_app.py
```

4 Getting Started

4.1 Start Screen

When the app launches, you will see:

- **Create an Account** – for new users.
- **Already a Member** – login option if an account already exists.

4.2 Creating an Account

To create an account:

1. Enter your first name, last name, email, and password.
2. The system securely hashes your password.
3. A wallet and default donation cases are initialized.
4. You are then redirected to the main dashboard.

4.3 Logging In

Returning users must enter:

1. The registered email.
2. The matching password.

Successful login proceeds to the GiveOne main interface.

5 Main Interface Overview

The main layout contains:

- **Header** – shows greeting, wallet balance, and monthly donations.
- **Sidebar** – navigation between app sections.
- **Content Area** – displays the active page.

Navigation pages include:

- Cases
- Wallet
- History
- Settings
- Reset Demo

6 Using GiveOne

6.1 Donation Cases

The Cases page lists donation opportunities. Each case displays:

- Title and organization
- Description
- Goal amount and current progress
- Donation button

To donate:

1. Enter an amount (default: \$1.00).
2. Click **Donate Now**.
3. The wallet and case progress update instantly.

Fully funded cases are locked and acknowledged with a confirmation message.

6.2 Wallet Management

In the Wallet tab, users can:

- View current wallet balance
- Add funds via input dialog

To add funds:

1. Click **Add Funds**.
2. Enter a dollar amount.
3. Confirm to update wallet.

6.3 Donation History

The History page displays a table of:

- Date and time of donation
- Case name
- Amount donated
- Remaining wallet balance

6.4 Monthly Donation Summary

The header automatically updates to show the total donated in the current month.

6.5 Resetting the Application

Selecting **Reset Demo** restores the application to first-launch state:

- Clears user profile
- Resets wallet
- Deletes donation history
- Reloads original donation cases

7 Error Handling

GiveOne includes validation such as:

- Warnings for invalid donation amounts
- Prevention of donations exceeding wallet balance
- Automatic handling of malformed JSON entries

8 Limitations

- Only one user account is supported
- Local JSON storage is not encrypted
- No real payment processing (simulation only)
- No cloud or online synchronization

9 Support

For help, updates, or issue reporting, visit: <https://github.com/AhmedShady84/CIS434-Project-or-SoftwareEngineeringProject>