# Web Application User Manual

## Setting Up the Application

Note: Before trying to run the web application make sure to be using at least Python 3.12.2 and Node v16.17.0

1. Navigate to the directory where the web application is located.
2. Enter the folder called “backend” create a folder called “key” and inside of it paste the JSON file we sent to you via email. The JSON file is called “allowance-tracker-84ada-firebase-adminsdk-ah9d3-7f59fae16c.json”
3. To run the frontend of the application you need to go into the file frontend and into the file allowance.
4. Use the command prompt to access the desired location:

* cd [path where the “frontend/allowance” is]

1. Install the necessary dependencies by running the following commands:

* npm install
* npm install axios
  + axios is a library used to connect to the API

1. Now open a new command prompt and access the location backend/src
   * cd [path where the “backend/src” is]
2. If you don’t have Flask, firebase-admin, and flask-cors installed in your computer use the following command:
   * pip install Flask firebase-admin flask-cors
3. Now start the API by using the following command:
   * python app.py
4. Now go to the first terminal we opened without closing this one
5. In the first terminal now we start the application server by executing the command:

* npm start

1. Once the server starts, it will open the login page in your default browser.

## Login Page

1. On the login page, enter the family name and password to access your family account.
2. To navigate to the sign-in view, click the 'Go to Sign Up' button.

## Sign-In View

1. Enter the following information to create a new family:

* Family Account Email
* Password (entered twice for confirmation)
* Name of the Parent
* Pin for the Parent (entered twice for confirmation)

1. Click the ‘Sign Up’ button to save the information.
2. To return to the login page, click the 'Go to Login' button.

## User Selector View

1. Access the user selector view after login in
2. In this view, select the family member you want to log in as.
3. Enter the PIN to access their account.
4. A correct PIN will display a confirmation message and will lead you to a new view.

## Parent Dashboard

1. Access the parent dashboard by entering the correct pin of the parent:
2. The dashboard displays cards for each child in the family, showing their current balance and two buttons:

* Deposit: Opens a pop-up window to input the transaction reason and amount to deposit.
* Withdraw: Opens a pop-up window to input the transaction reason and amount to withdraw.

1. Use the Close button in the pop-up window to cancel a transaction.
2. Use the Deposit or Withdraw button in the pop-up window to confirm the transaction.

## Sidebar Navigation

The sidebar on the parent dashboard includes the following options:

1. Dashboard: Returns to the current dashboard view.
2. Transaction List:

* Displays all transactions within the family, including:
* Date of transaction
* Receiver
* Purpose, amount, and type of transaction
* Use the search feature to filter transactions by:
  + Name box: to search by the name of the receiver
  + Start Date: Select a start date using the calendar.
  + End Date: Select an end date using the calendar.

1. Manage Family:

* Displays cards for each family member with their name and security level.
* Delete: Removes the selected member
* Add Member:
  + Opens a pop-up window to input:
    - Name
    - Role (Parent or Child)
    - Image URL (profile picture)
    - PIN (numerical only)
    - Click Add Member to save the information (frontend-only functionality).

1. Sign Out: Logs you out and returns to the login page.

## Child Transaction List View

1. Access the child transaction list view by entering the right pin on a child card in the user selector view.
2. This view displays:

* Transactions made by parents to the child, including:
  + Date
  + Purpose
  + Type of transaction
* The current balance of the child is shown.

1. You may filter transactions by:

* Start Date
* End Date

1. Use the Sign Out button to log out and return to the login page.