

Heuristic Evaluation

Evaluator Name: Ricky Fong
Device / Browser/ OS: Asus Vivobook / Firefox / Window 11
Wireframe Evaluation of: Alvien Salvador

SEVERITY RATING

0 = I don't agree that this is a usability problem at all

1 = Cosmetic problem only: fix if time is available

2 = Minor usability problem: fixing this should be given low priority

3 = Major usability problem: important to fix, given high priority

4 = Usability catastrophe: fix this before product can be released

HEURISTICS	VIOLATION	RECOMMENDATION	SEVERITY
<p>1. Visibility of system status</p> <p><i>Aalways keep users informed about what is going on, through appropriate feedback within reasonable time.</i></p>	<p>It must be clarified whether the user's action was successful or whether progress was made when creating a new expense or flatmate. Otherwise, the user will not know if the fill-up form is complete.</p>	<p>Create progress indicators when filling out the form to see progress made.</p>	<div>2</div>
<p>2. Match between system and the real world</p> <p><i>Follow real-world conventions, making information appear in a natural and logical order.</i></p>	<p>1. The doughnut chart on the Home page is a bank balance, not an expense downbreak. Users will see this as a breakdown expense because it is a doughnut chart.</p> <p>2. In Stats, the total expense type and expense breakdown are similar in that they show a type of expense that makes up the total expense.</p> <p>3. In stats, the expense breakdown pie chart needs to clarify what it shows, whether expenses are broken down by year or by individual months.</p> <p>4. The user will need clarification about the add icon when adding an expense and a new flatmate. The user will think the add icon will create another new expense and flatmate.</p>	<p>1. Label the doughnut chart clearly to indicate what data it represents.</p> <p>2. Label the expense breakdown pie chart to indicate what data it represents. The total expense type should also be shown as the top expense spending.</p> <p>3. Show what the month is represented and label the expense breakdown pie chart.</p> <p>4. Create a rectangle button labelled "Add expense/flatmate".</p>	<div>3</div>
<p>3. User control and freedom</p> <p><i>Users should leave the unwanted state without having to go through an extended dialogue. undo and redo.</i></p>	<p>1. There is no back button or home button on the flatmate page or the add a new flatmate page if the user changes their mind or has finished adding a new flatmate. The lack of a back button limits user control and freedom, as they must close the application to exit.</p> <p>2. Users can make mistakes when filling out a form for adding expenses and new flatmates, which requires them to clear them out manually.</p>	<p>1. Create a back button and home button in flatmate and add a new flatmate, allowing the user to navigate back freely.</p> <p>2. Create a reset button to clear all the fill-in forms.</p>	<div>4</div>

<p>4. Consistency and standards</p> <p><i>Users should not have to wonder whether different words, situations, or actions mean the same thing.</i></p>	<p>1. The total expense type is a subtitle next to the food expenses on the Stats page. The subtitle makes users think the total expense type is an expense.</p> <p>2. When the user interacts with the add expense page, the user will be unfamiliar with this format on this screen. The add expense page differs from the add new flatmate page, which has a linear layout.</p>	<p>1. Make the subtitle a bit further away from the expense and use a different size font.</p> <p>2. Make a fill-out form with a linear layout so the user can start filling out from top to bottom.</p>	2
<p>5. Error prevention</p> <p><i>Either eliminate error-prone conditions or check for them and present users with a confirmation option before they commit to the action.</i></p>	<p>When users select 'yes' to confirm on the popup message to create a new expense or flatmate, it will direct them to a different page. However, the user may accidentally input the wrong detail or leave it blank, which will direct a different page.</p>	<p>Create a new wireframe/page showing whether the form was successful or unsuccessful. If successful, direct the user to a different page; otherwise, go to add an expense or new flatmate to re-edit the form.</p>	2
<p>6. Recognition rather than recall</p> <p><i>Minimize the user's memory load by making objects, actions, and options visible.</i></p>	<p>In the flatmate page, the add new flatmate button is aligned with the list of flatmates; when there are more flatmates, the user will scroll down to click the button.</p>	<p>Make a fixed-position button at the bottom of the page so users do not need to scroll down to click it.</p>	1
<p>7. Flexibility and efficiency of use</p> <p><i>Accelerators. Allow users to tailor frequent actions.</i></p>	<p>1. There needs to be an expanded view of recent expenses on the home page to see a list of recent expenses.</p> <p>2. On the home page, there is no option to select individual monthly or weekly to see the expense.</p>	<p>1. Create a hyperlink text for the user to click to expand the list of expenses.</p> <p>2. Create a calendar icon for the user to select which week or month to see the list of expenses.</p>	2
<p>8. Aesthetic and minimalist design</p> <p><i>Dialogues should not contain information which is irrelevant or rarely needed.</i></p>	<p>1. The add expense page is overcrowded, leading to user confusion and inefficiency. And have spaces at the bottom.</p> <p>2. The alignment of the add button in add expense is not balanced; the add icon is closer to the fill-up form.</p>	<p>1. Implement an aesthetic and minimalist by making a linear layout similar to adding a new flatmate. Remove unnecessary elements, such as the radio button.</p> <p>2. Move to add a button to the centre of the bottom page to have a balanced aesthetic.</p>	2
<p>9. Help users recognize, diagnose, and recover from errors</p> <p><i>Error messages should be expressed in plain language (no codes), precisely indicate the problem, and constructively suggest a solution.</i></p>	<p>1. Error might occur when the user leaves a blank in the add expense and new flatmate page.</p> <p>2. The success popup message must show what expense or flatmate has been created.</p>	<p>1. Add a red asterisk to fill the required fields.</p> <p>2. Add a text to show what expense or flatmate has been created.</p>	2

10. Help and documentation

Even though it is better if the system can be used without documentation, it may be necessary to provide help and documentation.

- 1. There is no search bar to find individual expenses or flatmates if there is an extensive list of expenses or flatmates.
- 2. The hamburger menu does not have a help icon for the user to understand how to use the app.

- 1. Create an expense search bar to find the expense.
- 2. Create a help button in the hamburger menu.