

Reading Assignment 1

Material Design

Domain: Collaboration

Application Name: Splitwise

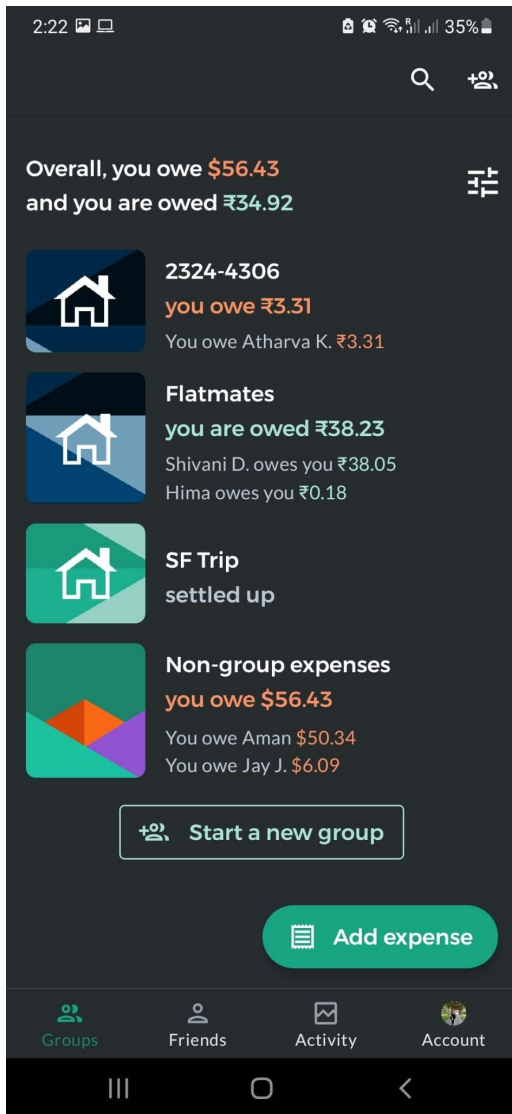
Description: An responsive application where friends and roommates can split, share and track bills and other shared expenses, and settle up expenses once paid. Available in Android and iOS phones.

It contains a responsive material design with four tabs below:

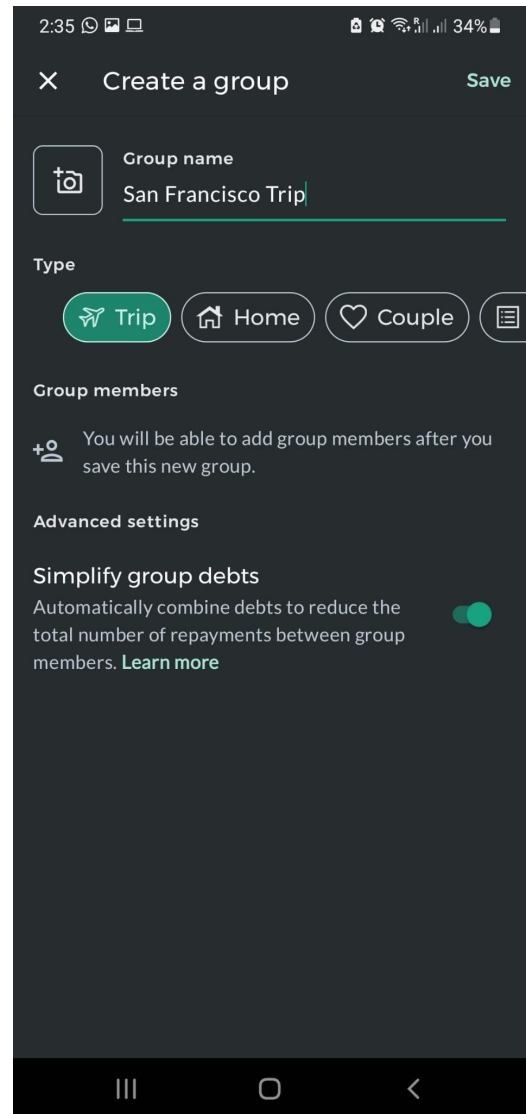
- Groups - A list of groups created with people added to split bills among a particular group
- Friends - List of friends you share your expenses with option to add more friends.
- Activity - Notifications of various activities executed like creating a group, expenses added, bills settled up, etc.
- Account - General information with settings and other contact support information.

Splitwise emphasizes on various features with shapes in visible format like curved rectangles and squares, and identifies users using different shapes, the shape used here is curved rectangles. Various shapes with customization in colors, icons, fonts have created an overall good impression on the app as a whole. Each shape conveys a meaning with additional details added to the shape like the floating button to add a new expense. Furthermore, it does not create an ambiguity while explaining a particular feature which increases clarity.

Each component is designed and placed in specific positions to avoid abruptness and disorganization. Components used in this app are buttons, chips and snackbar. The shape sizes, attributes and symmetry of these components are designed in a way to create lucidity.



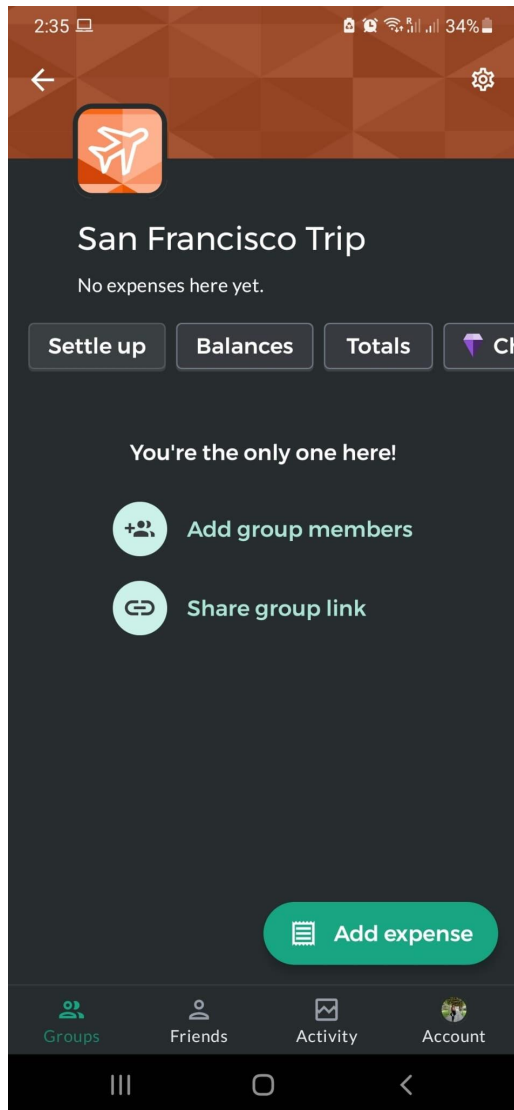
Layout 1



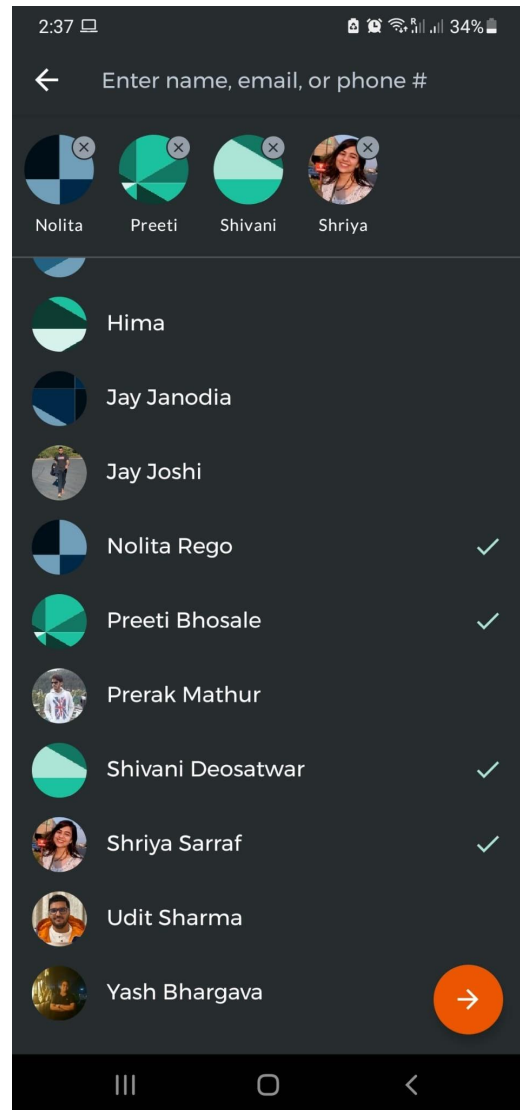
Layout 2

Layout 1: This layout has a list of groups arranged vertically with shapes for each group icon given in curved rectangular shape. The shapes increase/decrease depending on the length of tasks mentioned to the right of the box as shown above. State changes are not used, where on clicking the group box, it does not provide more details about the group, which can explain and emphasize more on the action the particular feature does.

Layout 2: This layout is launched after the user clicks on the "Add expense" floating button where chips are used in curved rectangular form with customization where icons and texts are added, to recognize the type of group it is being created for. Here, the chips are expanded based on the length of the text and icon placed within the chip.



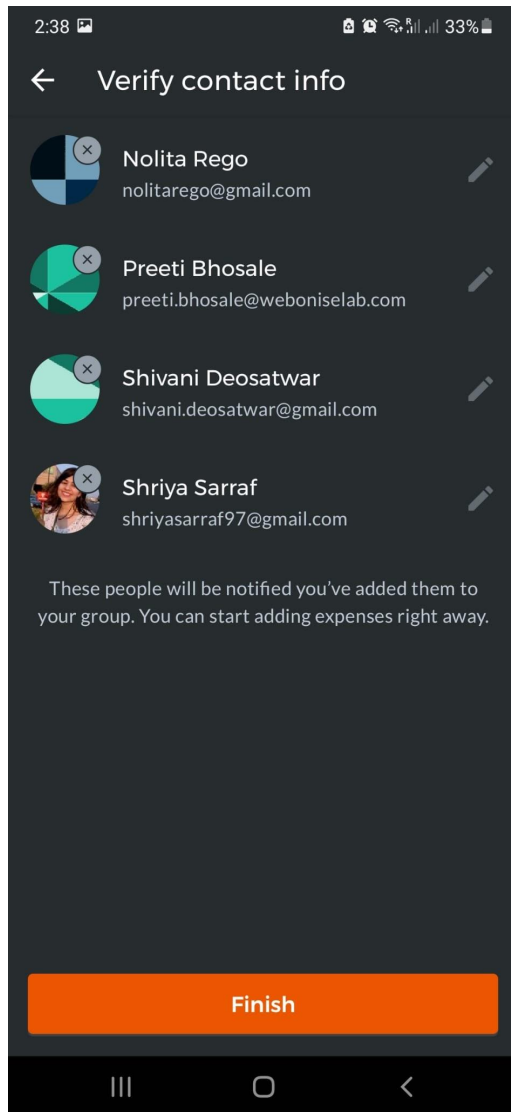
Layout 3



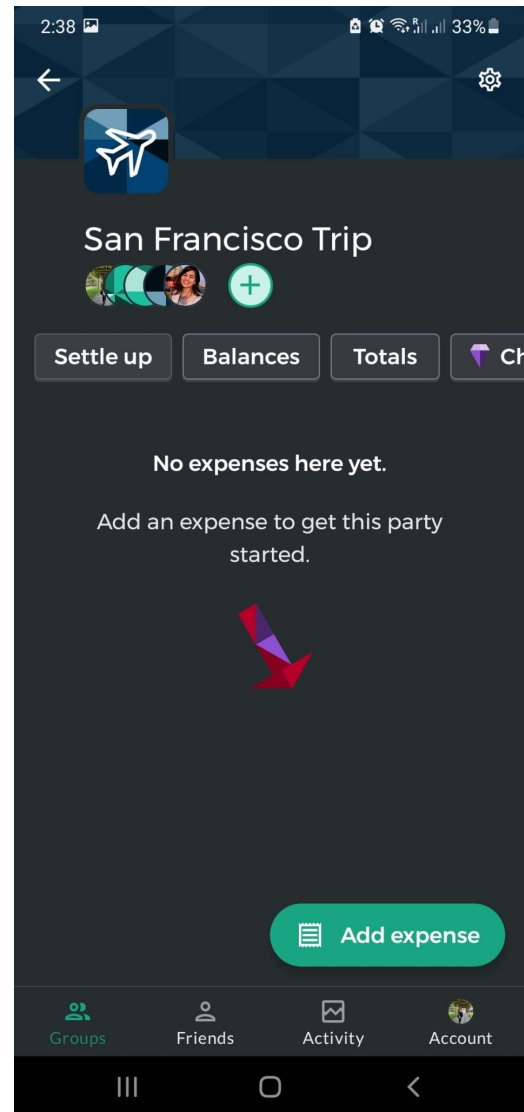
Layout 4

Layout 3: This layout is pretty simple and shows the various actions you can do with chips like settle up, balances, totals, etc. The shapes of the chips have rounded corners with absolute sizes given to look similar and in symmetry throughout. The corners at the top left and right are not curved or changed which does not create much difference in the overall look of the layout.

Layout 4: This layout appears after clicking on “Add group members” from Layout 3. The chips are in circular shape with names mentioned below them to identify the group members. The list below shows the members already added from contacts which makes it easier to add members in the group. The image icon in circular shape besides the names on the left helps in recognizing the user through their profile image added by them. The floating button with customization given in color and icon below indicates the action to be performed after selecting members which is to the bottom right at a usual location where the button is visible.



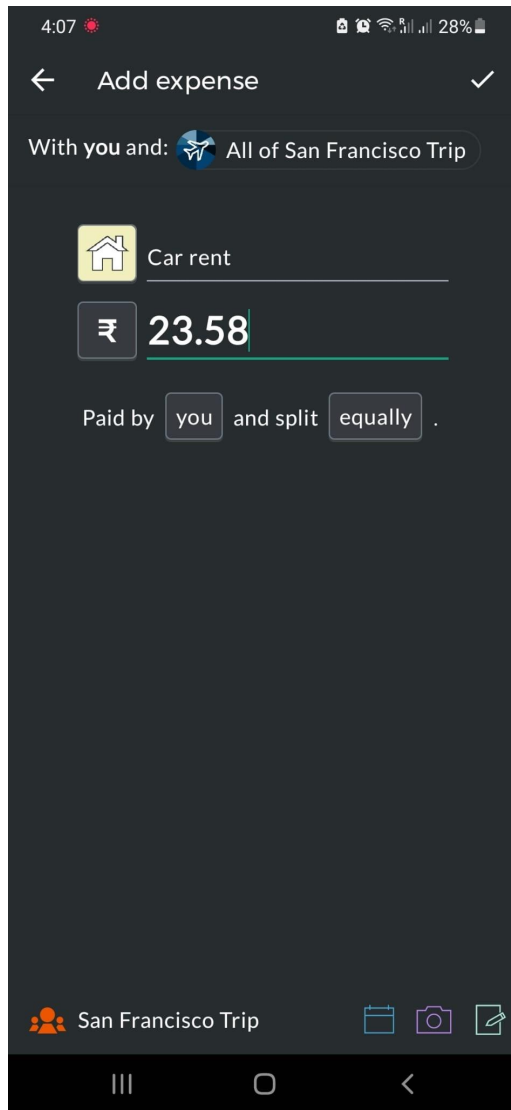
Layout 5



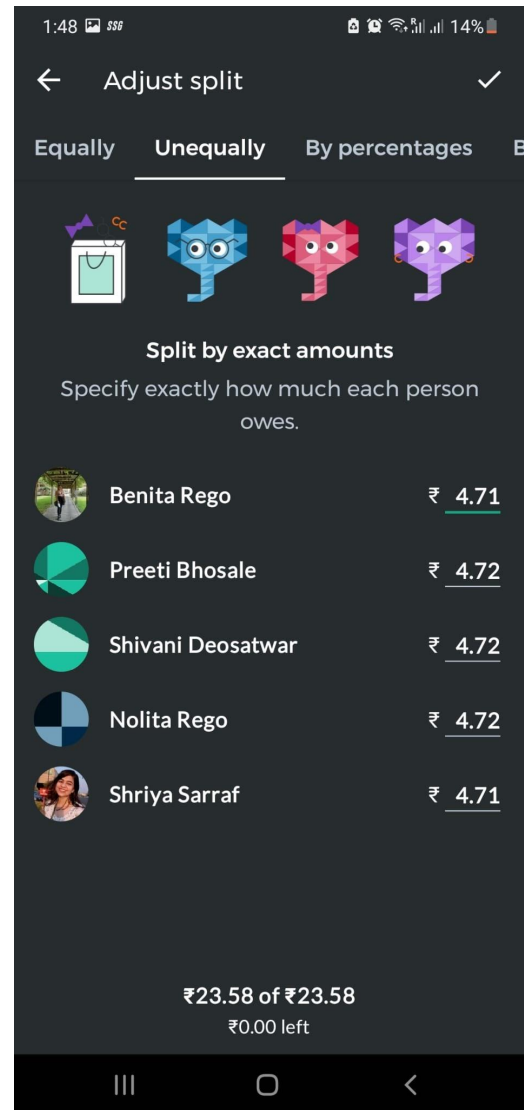
Layout 6

Layout 5: This layout shows the members selected in the previous layout with option to remove them as the user wishes to. The circular component which is an image badge has another circular icon overlapped above it and color used appropriately to make it easier for the user to take action if needed. A button is placed at the bottom of the layout for finishing the action and creating the group with a rectangular shape given to it and rounded corners in absolute size.

Layout 6: This layout has most of the components similar to Layout 3, but the only difference here are the circular badges below the title “San Francisco Trip”, overlapped one after the other in a fixed pattern, displaying the members added in the group, along with another circular button “+”, to add new members. The arrow shape at the center of the layout indicates that you can start adding your expenses with the floating button “Add expense” at the bottom right.



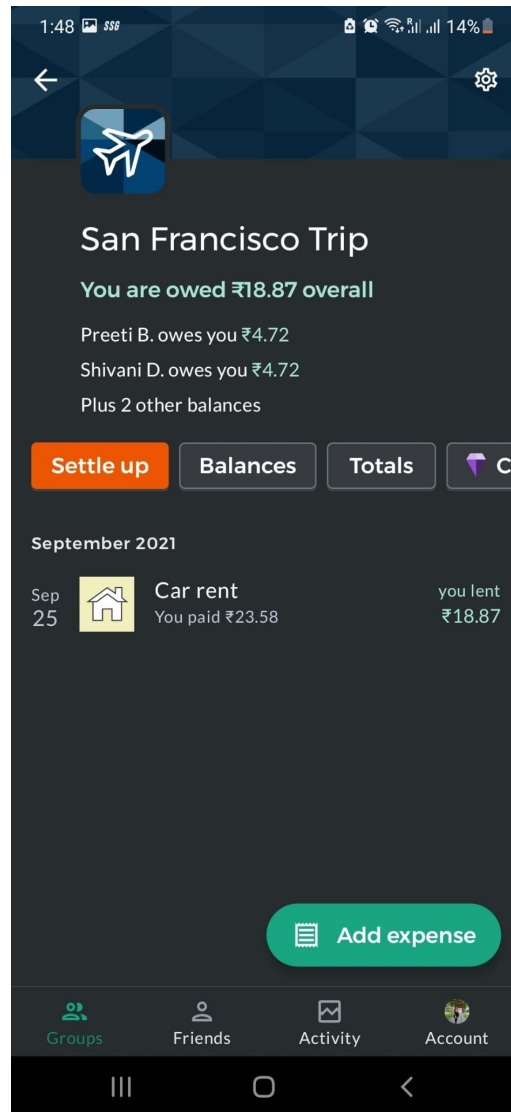
Layout 7



Layout 8

Layout 7: After clicking the “Add expense” floating button, the layout appears where the user can add a title to the expense with the amount below it. The square shape to the left of the texts helps to identify what kind of text is required to be entered to the right of it. The “you” and “equally” are outlined buttons shaped in a curved rectangular form which takes the user to Layout 8.

Layout 8: Splitting of the bill can be done equally/unequally/by percentages, which can be chosen through tab shifting. Besides each name list, there is a circular badge for displaying group members’ profile image.



Layout 9

Layout 9: After adding the expense, the “Settle up” button color is changed to orange, indicating that the button can be used for settling up bills. This button is disabled in previous layouts as there were no expenses added, leading the button to be disabled, indicated by customizing the button to another color. The expense is added in the group where each item in the list has an icon box which is curved rectangular shape, a title and subtitle describing the expense and the amount the user paid and how much amount is being lent or borrowed.