

CS175 Section 1

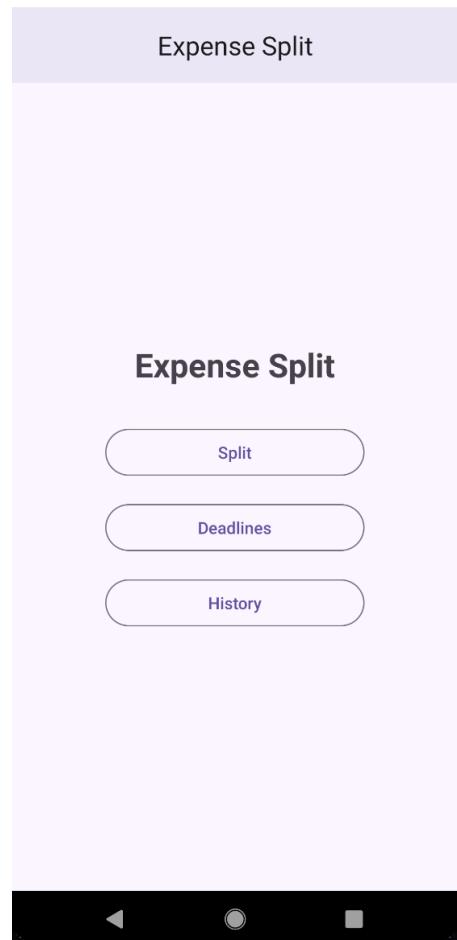
Team 7

Christina Kim, Gio Canales, Lima Ibrahimkhail, Quoc Vuong

## Expense Split

The project was an app designed to assist individuals with splitting expenses between friends. When splitting costs from travel, business, and recreation, it is often difficult to keep track of everyone responsible for the costs, the amount of money due by each person, and when the money is due by. Expense Split addresses these challenges by providing an interface to easily register expenses with their own titles, dates, payers, and customizable payment options.

In order to run, Expense Split requires an Android device or emulator at API level 29. From its home page, Expense Split provides three features: expense splitting under ‘Split’, deadline tracking under ‘Deadline’, and history of previous expenses under ‘History’.



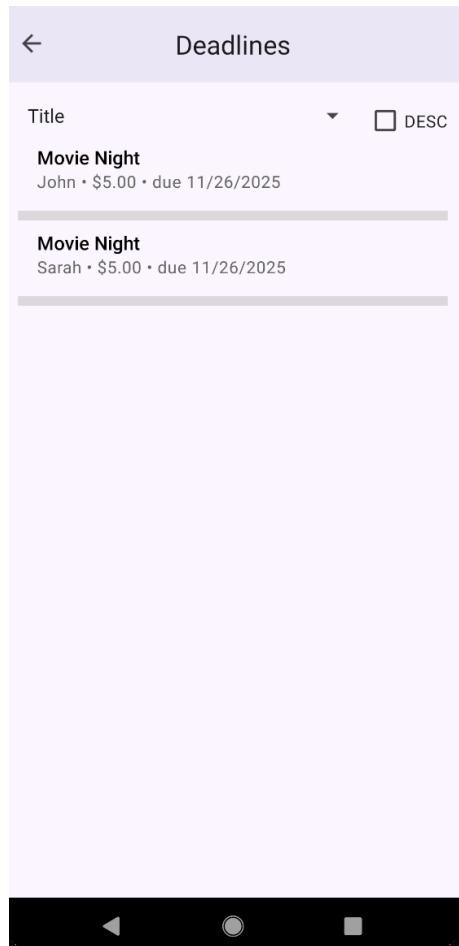
When the user clicks on ‘Split’, they are taken to the expense split customization page. On this page, they are required to input a title, an expense amount, and at least one payer, in order to create a successful split. If the money owed is required before a specific due date, they can optionally choose one from the calendar option. The chosen date will be shown besides the calendar afterwards.

The screenshot shows a mobile application interface for managing expenses. At the top, there is a back arrow icon and the word "Split". Below this, the expense title "Movie Night" is entered into a text field. The amount "10" is also entered into another text field. A "Due date" section includes a calendar icon and the date "11/26/2025". Under "Payers", there are two checked checkboxes: "John" and "Sarah". There is also an "Add Payer Name" input field with a green plus icon. In the "Pay Type" section, a radio button is selected for "Equal". Another radio button for "Custom" is present, along with a small circular menu icon containing three horizontal lines. At the bottom, there are "Save" and "Cancel" buttons.

For payment per person, the user can choose out of two options: 'Equal' or 'Custom'. The default 'Equal' option automatically splits the expense amount by the number of payers, whereas the 'Custom' amount provides a sliding scale and editable text from 0-100% for each payer. The Custom option requires the total percentage to sum up to 100% in order to create an expense. In order to create the split, the user will click the 'Save' button.

The screenshot shows a mobile application interface for managing expenses. At the top, there is a back arrow and the word "Split". Below that, the expense title is set to "Movie Night". The amount is listed as "\$10". A due date is specified as "11/26/2025". The "Payers" section shows two entries: "John" and "Sarah", each contributing "50 %". There is also a field to "Add Payer Name" with a plus icon. Under "Pay Type", the "Custom" option is selected. At the bottom, there are "Save" and "Cancel" buttons.

When the user clicks on the 'Deadline' button, they are taken to the page where they can see all existing, active expenses due. The expenses are organized in a list view, and can be sorted by title, date, payer, and amount, both in ascending and descending order. If an expense is overdue, it is highlighted in red. If the user has completed an expense, they can deactivate and send it to the History page by doing a long click on the expense in question.



When the user clicks on the 'History' button, they are taken to the page with all deactivated expenses. This is virtually similar to the Deadline page. If the user wishes to activate an expense again, they can perform a long click to move it back to Deadline.

