Assignment 4

Case Studies / Kittysplit

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Case 1
User 1 sets up a new event. Adds other participants. Adds the expenses that he has made himself.
more specific version of case 1
User 1 has paid everything for an event(he invited people to a dinner). He sets up an event. Adds all the other participants that were supposed to pay also. Adds in all the expenses that he has made. Program makes the necessary calculations. It can be seen how much each participant owes to User 1.

Case 2 (Chosen Case)
John, Paul, George and Ringo go on a vacation to Hamburg.
John sets up the Kitty and sends invitations to everyone.
Then they each start to enter their expenses. John pays for tickets, Paul pays for the hotel, George pays for the dinner and Ringo pays for the beers. They keep entering their expenses untill the end of trip.
At the end the trip is over and they want to settle their expenses. They each see who they owe to.
One by one they start giving money to whom they owe to and start entering these in Kitty aswell.
Each one enters how much he gave and to whom. They do this untill everyone is settled.

Case 3
Luke and Leia are running a small business. They buy beer and bretzels to sell them in the park. They use the app to keep track of their operation.
Each time when one of them goes to the store to buy items they register it to the app as an expense with the apporiate spender of the expense. whenever one of them sells something, they register it as income with the apporiate seller. They can see live what is the current status between the two. (Who owes whom) At the end of each run, they check the app to see the last stand, and they settle it accordingly to it.

Case 4
Mike decides to use this app to find out what are his expanses, and he wants to categorize them and see the percantages. He opens up an event in the app. He registers each expanse with a relative title. At the end he sees his total expenses with relative titles. He exports the setup as an excel file he sorts his expenses in excel.

Case 5
Jack and Sarah are a couple. They arranged an engagement party in Manhattan.
Sarah's mom Jane payed for everything. (Total cost = 3x)
Jack and Sarah will split the cost depending on their income, since Jack earns two times more than what Sarah earns, he will pay two times more than what Sarah suppose to pay. (Jack pays 2x and Sarah pays x)
Jane creates a Kitty for the engagement party and writes down all of the expenses.
Jane adds Jack and Sarah to the Kitty and shares the cost by using the 'weight' function of the Kitty which helps to divide the cost depending on the coefficient that they decided, in this case its going to be 2 for the Jack and 1 for the Sarah.