Problem statement:

A *teacher* (client) needs a program for *students* (users) who learn or use rational numbers. The program shall help students to make basic arithmetic operations.

Calculator - Feature list

F1. **Add** *a number* to calculator.
F2. **Clear** calculator.
F3. **Undo** *the last operation* (user may repeat this operation).

Iteration plan

Iteration	Planned features
I1	F1. **Add** *a number* to calculator
I2	F2. **Clear** calculator
I3	F3. **Undo** *the last operation* (user may repeat this operation)

Iteration 1

Running scenario

	User	Program	Description
a		0	Shows total
b	1/2		Add number to calculator
c		1/2	Shows total
d	2/3		Add number to calculator
e		5/6	Shows total
f	1/6		Add number to calculator
g		1	Shows total

h	-6/6		Add number to calculator
i		0	Shows total

Work items/tasks

T1	Compute the greatest common divisor of two integers (see g, i)
T2	Add two rational numbers (see c, e, g, i)
T3	Implement calculator: init, add, and total
T4	Implement user interface

Obs! The highlighted text is just a demo –replace it with documentation for your problem statement.