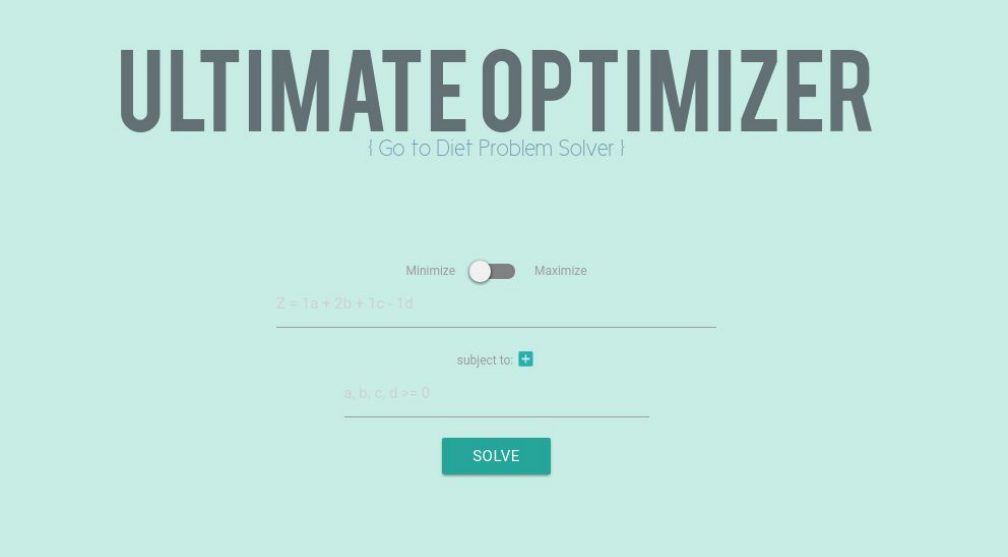**CMSC 150 Ultimate Optimizer and Diet Problem Solver**
User Manual
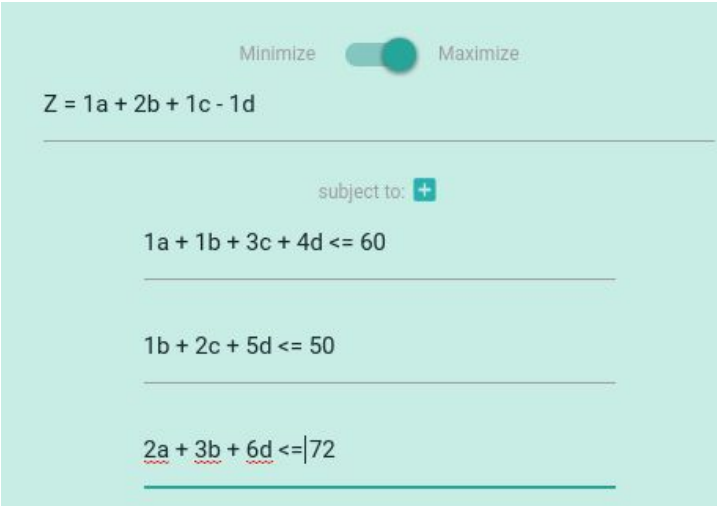
    a. Ultimate Optimizer
        i. The web page contains the link to the Diet Problem Solver. The user will input on the form in the center.

        ii. It can do both minimization and maximization by toggling the switch. Constraints can be added by clicking the + symbol.

iii. Clicking solve will show the initial tableau. The buttons will show the prev/next tableaus.

a	b	c	d	s1	s2	s3	s4	Z	RHS
1	1	3	4	1	0	0	0	0	60
0	1	2	5	0	1	0	0	0	50
2	3	0	6	0	0	1	0	0	72
-1	-2	-1	1	0	0	0	1	0	0

EDIT INPUT

b. Diet Problem Solver
    i. The web page contains the link to the Diet Problem Solver. The food items are divided to different categories for easier access.

DIET PROBLEM SOLVER

{ Go to Ultimate Optimizer }

VEGETABLES   FRUITS   BREADS AND PASTRIES   PASTA   DAIRY AND EGGS   MEAT AND FISH   CERI

☐ Carrots, Raw

☐ Celery, Raw

☐ Frozen Corn

☐ Lettuce, Iceberg, Raw

☐ Peppers, Sweet, Raw

SOLVE

VEGETABLES   FRUITS   BREADS AND PASTRIES   PASTA   DAIRY AND EGGS   MEAT AND FISH   CERI

ii. The foods can be marked by clicking on them. There will also be a table to show its information when the side of the text is clicked.

☑	Carrots, Raw
☐	Celery, Raw
☑	Frozen Corn
☑	Lettuce, Iceberg, Raw
☐	Peppers, Sweet, Raw

SOLVE

☑ Wheat Bread

Price	0.05
Serving Size	1 SI
Calories	65
Cholesterol	0
Total Fat	1
Sodium	134.5
Carbohydrates	12.4
Fiber	1.3

SOLVE