Algorithm for Pizza Profile Form

Validation:

**Name**: Only used to display the profile. No checks.

**Age:** Validate that the user entered a number and that it is greater than 0.

**Toppings:** Ensure that if the “No toppings” button is checked, then no other checkboxes

Are checked.

Algorithm:

**Start with profile score = 0.**

**Age:**

If (age < 10) then add 5 to pizza score

If (age >=10 and <20) then add 15 to pizza score

If (age >=20 and <40) then add 10 to pizza score

If (age >=40) then add 5 to pizza score

(max lift of 15 points, min 5)

**Toppings:**

If no toppings selected, then add 0 to pizza score

If toppings selected:

Pepperoni +10;

Ham + 20;

Bacon + 10;

Mushroom +5;

Pineapple + 30;

Green Pepper + 5;

Red Pepper +5;

Onion +10;

Tomato +5;

(max lift of 100 points, min 0)

**Time of Day:**

If Early Morning then +50

If Late Morning then + 40

If Mid Day then +10

If Early Evening then + 10

If Evening then +0

If Late Night then + 20

(max lift is 50, min is 0)

**Delivery:**

If delivery then +5;

If take out then +15;

(max lift is 15, min is 5)

**Chain Option:**

If Dominos then +5;

If Pizza Hut then +10;

If Papa John’s then +15;

If Little Caesar’s then +15;

If CPK then +25;

If Local Chain then +40;

(max lift is 40, min is 5)

**What Makes a Pizza:**

If Cheese then +30;

If Sauce then + 10;

If Dough then + 40;

If Toppings then +50;

If Presentation then +70;

(max lift is 70, min is 10)

Minimum score: 25

Maximum score: 290

Categorizations:

Score of 25-100: Conventional

Score of 101-200: Experimental

Score of >200: Audacious