Paige-David Peck

CPT 232

Program 2

9/20/11

**Data Dictionary**

**Analysis**

Outputs: customers name, item customer is looking for, discounted percentage (constant), original price, new price of one item, amount customer wanted, total cost, length of time living in community

**Name** **Type** **Description**

customer\_name string customers first name

community\_years integer length of time in years customer has lived in community

item\_name string item customer wishes to purchase

original\_price double original price from ad

item\_quantity integer amount the customers want

new\_price double new, discounted price of single item

total\_cost double total cost of all items discounted

discount\_price double discount that needs to be subtracted from original

discount\_percent double discounted percentage, constant – 35% (.35)

**Calculate 2 values**

discount\_price = discount\_percent \* original\_price

new\_price = original\_price – discount\_price

total\_cost = new\_price \* item\_quantity

**Flowchart**

Start

Enter customer\_name, community\_years, item\_name, original\_price, item\_quantity, new\_price, total\_cost

discount\_price = discount\_percent \* original\_price

new\_price = original\_price – discount\_price

total\_cost = new\_price \* item\_quantity

Display customer\_name, community\_years, item\_name, original\_price, item\_quantity, new\_price, total\_cost

Stop