CPSC 50100 Assignment 2

You are to build an app to be used in a mobile application for an imaginary fast-food restaurant, Flyers'. This is a command-line version, but you are free to make a GUI version as well. In this app, you are to ask a customer to choose various options for their meals.

1. First, ask the customer if he/she wants the order to be a "Pick-Up" or "Delivery."
2. Second, ask the customer to enter a zip code if it is a "Delivery." Based on the entered zip code, there should three following messages: "Delivery Available," "Delivery Not Available," and "Delivery with extra cost." Say the customer has entered 60446, which is the zip code for this restaurant. The exact zip code and area distribution we do not know, so we presume that the zip code that is different from 60446 less than the degree of 5 (either above or below), that is "Delivery Available." Also, the zip code that is 60451 or 60441 is "Delivery with extra cost." Any other zip codes are "Delivery Not Available."
3. Third, ask the customer about the order. Below are suggested items but are not limited. You should have an option to order more than one item. The tax rate is multiplied with the items only. Then, add the delivery fee. If "Delivery Available" is chosen based on the entered zip code, add $5.00 after the tax. If "Delivery with Extra Cost" is chosen, add $7.00 after the tax. The output should be the total bill including the tax and the delivery fee. Build necessary methods for the items to be ordered.

   (a) Flyers' Burger: $4.50 per an order

   (b) Flyers' Drink: $1.50 per a container

   (c) Flyers' Fries: $ 2.50 per an order

   (d) Flyers' Dessert: $ 3.00 per an order

   (e) Tax: 5%

Please send me the source code you designed (55 points).