

Step 5: Describe the other files in the ZIP folder

**First Part:** I will explain the purpose of each of the following ancillary files in the ZIP file:

Customer.csv: This file contains the customer data used to populate the customer objects in the application. Each line in the CSV file represents a customer and includes fields such as SSN, gender first name, middle initial, last name, street, city, state, zip code, birthdate, credit card type, credit card number, and credit card expiration date.

Folder.png: This image is used as an icon for the root node in the TreeView. It visually represents a folder, indicating that the node can contain other nodes.

MasterCard.png: This image is used as an icon for nodes representing customers with a MasterCard credit card. It helps users quickly identify the type of credit card associated with each customer.

People.png: This image is used as an icon for nodes representing groups of people, such as those grouped by credit card expiration year. It provides a visual cue that the node contains customer information.

Visa.png: This image is used as an icon for nodes representing customers with a Visa credit card. Like the MasterCard icon, it helps users quickly identify the type of credit card associated with each customer.

**Second part:** I will explain how I would change TreePane4 to display a tree by state, sex (second item in the file), and name. For example, the tree branches into state nodes, under each state are nodes which indicate male and female, and under each of those are the names of the individuals.

I would do to modify TreePane4 to display a Tree by state, sex, and name is first updating the structure so the tree should first branch into nodes representing each state. Next, under each state node, create nodes for genders male and female, and under each gender node, I will add the customer names. Then I will also use appropriate icons for the state and gender nodes.