

Programming Project

Problem

Client is a Cellular provider that wishes for a program to use for their sales people to provide quotes for the equipment, plan, and options. They have a set number of phones and plans available. In addition there are a couple of options for each plan.

Requirements

The following is a list of the clients requirements

- Able to select only one phone
- Able to select only one plan
- Ability to select one or more of the options
- Sales Tax charged on merchandise
- Should show the following individually
 - Equipment costs
 - Sales Tax
 - Plan Costs
 - Options Costs
 - Total Cost

Solution

The requirements allowed for a simple screen for the sales department. Final design is on the next page.

The screenshot shows a Java Swing window titled "Smart Phone Packages" with standard window controls (minimize, maximize, close). The window contains a form titled "Richard's Mobile Phones".

The form is divided into three main sections:

- Phones:** A group box containing three radio buttons for selecting a phone model:
 - ☐ Model 100: \$299.95
 - ☐ Model 110: \$399.95
 - ☐ Model 200: \$499.95
- Data Plans:** A group box containing three radio buttons for selecting a data plan:
 - ☐ 8 Gigabytes/Month
 - ☐ 16 Gigabytes/Month
 - ☐ 20 Gigabytes/Month
- Costs:** A table showing the breakdown of costs. All values are currently 0.00.

Phone	\$	0.00
Sales Tax	\$	0.00
Plan	\$	0.00
Options	\$	0.00
Total Cost	\$	0.00

Below these sections is a **Plan Options** group box containing two checkboxes:

- ☐ Phone Replacement Insurance
- ☐ WiFi Hotspot Capability

Testing

The module was tested as demonstrated in the attached screen cast.