***Pseudocode:***

**If/Else Statement**

*IF Twin is selected*

*cost = $39.99*

*ELSE IF Full is selected*

*cost = $44.99*

*ELSE IF Queen is selected*

*cost = $49.99*

*ELSE IF King is selected*

*cost = $69.99*

*IF shipping checkbox is checked*

*cost = cost + $5*

*DISPLAY cost on the label*

***Case Statement***

*CASE OF shipping is selected:*

*TRUE:*

*Perform a similar calculation as above adding the shipping cost*

*FALSE:*

*Perform similar calculations without adding shipping cost*

*END CASE*

*DISPLAY cost on the label*

***Design Specifications***

START

IF RadioButtonTwin IS CHECKED

IF CheckBoxShipping IS CHECKED

DISPLAY "$44.99" IN LabelOutput

ELSE

DISPLAY "$39.99" IN LabelOutput

ELSE IF RadioButtonFull IS CHECKED

IF CheckBoxShipping IS CHECKED

DISPLAY "$54.99" IN LabelOutput

ELSE DISPLAY "$49.99" IN LabelOutput

ELSE IF RadioButtonQueen IS CHECKED

IF CheckBoxShipping IS CHECKED

DISPLAY "$54.99" IN LabelOutput

ELSE DISPLAY "$49.99" IN LabelOutput

ELSE IF RadioButtonKing IS CHECKED

IF CheckBoxShipping IS CHECKED

DISPLAY "$74.99" IN LabelOutput

ELSE DISPLAY "$69.99" IN LabelOutput

START

Case RadioButtonTwin IS CHECKED

Case CheckBoxShipping IS CHECKED

DISPLAY "$44.99" IN LabelOutput

ELSE

DISPLAY "$39.99" IN LabelOutput

Case RadioButtonFull IS CHECKED

IF CheckBoxShipping IS CHECKED

DISPLAY "$54.99" IN LabelOutput

ELSE DISPLAY "$49.99" IN LabelOutput

Case RadioButtonQueen IS CHECKED

IF CheckBoxShipping IS CHECKED

DISPLAY "$54.99" IN LabelOutput

ELSE DISPLAY "$49.99" IN LabelOutput

Case RadioButtonKing IS CHECKED

IF CheckBoxShipping IS CHECKED

DISPLAY "$74.99" IN LabelOutput

ELSE DISPLAY "$69.99" IN LabelOutput