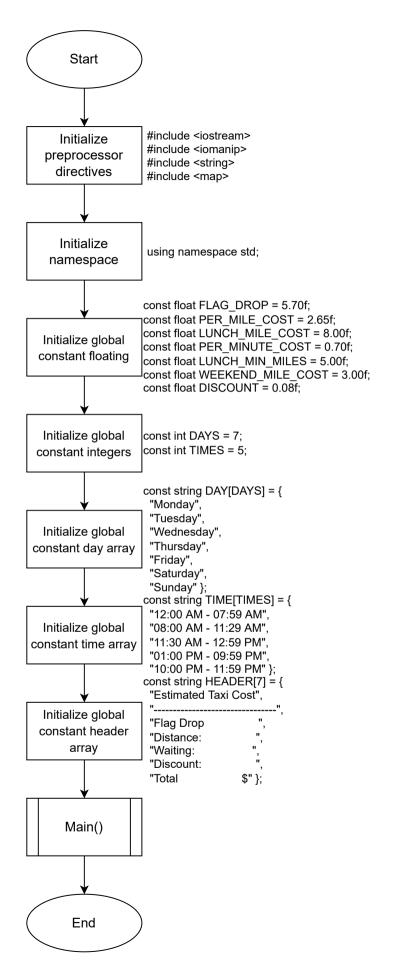
Weston Gibson ARC CISP 360 LEC 11442 Module 4 Homework 1 Due 20 September 2021



```
Main
  Weston Gibson
  ARC CISP 360 LEC 11442
                                                              Main
                                                                            int main() {
  Module 4 Homework 1
  Due 20 September 2021
    int
     day = 0.
     time = 0:
    //
                                                         Initialize local
    float
                                                           variables
     distanceCost = 0.00f.
     milesDriven = 0.00f.
     lunchMiles = 0.00f.
     waitingCost = 0.00f,
     waitMinutes = 0.00f,
     totalCost = 0.00f
                                                         Request input
                                                                             cout << "Rectangle 1:\n" << PROMPT1
     subtotalCost = 0.00f.
                                                         from the user
     discountCost = 0.00f:
    //
    bool
     lunchFlag = false,
                                                                              for (int i = 0; i < CATS; i++) {
     lunchOverFlag = false,
                                                                                 cats[i] = prompt(i);
     discountFlag = false,
                                                                                 catDisc[i] = round(CAT_DISC[i] * cats[i] * 100.0f) / 100.0f;
     weekendFlag = false;
                                                                                 total += cats[i];
                                                                                 totalDisc += catDisc[i];
                                                                              }
                                                       Υ
                                                             Counter
Iterate counter
                                                             < CATS
     j++
                                                              Ν
                                                                              cout << setw(COL 1 WIDTH) << left << "\nCategory"
   Addition
                                Assign
                                                           Print table
                                                                                 << setw(COL 2 WIDTH + 1) << right << "Amount"
                                                          format and
 totalDisc +=
                               cats[i] =
                                                                                 << setw(COL 3 WIDTH + 1) << "Discount\n";
                                                           break line
  catDisc[i]
                               prompt(i)
                                                                              break line();
                                                                              for (int i = 0; i < CATS; i++) {
                                Assign
                                                                                 cout << endl << setw(COL 1 WIDTH) << left << CAT[i]
   Addition
                              catDisc[i] =
                                                         For loop with
                                                                                   << setw(COL 2 WIDTH) << right << cats[i]
total += cats[i]
                         round(CAT DISC[i] *
                                                          counter = 0
                                                                                 << setw(COL_3_WIDTH) << catDisc[i];
                        cats[i] * 100.0f) / 100.0f
                                                             Counter
Iterate counter
                                                             < CATS
      j++
                                                              Ν
                                                                              cout << endl;
                                                                              break line();
                                                          Display total
                             Display padded
                                                                              cout << endl
                                                                                 << setw(COL_1_WIDTH + COL_2_WIDTH - (MAX_DIGITS)) << "$"
                               category
                                                              and
                                                                                 << setw(MAX_DIGITS) << total
                                 label
                                                         discount total
                                                                                 << setw(COL_3_WIDTH - (MAX_DIGITS)) << "$"
                                                                                 << setw(MAX_DIGITS) << totalDisc;
Display padded
                            Display padded
   category
                               category
                                                             Return
   discount
                                 value
```

