CSIS 137 Krystal Maughan UML for Homework 4 (v1)

## Main

#include "OvernightPackage.h" #include "Package.h" #include "TwoDayPackge.h"

OvernightPackage : Package

public:

+ OvernightPackage(const string &, const string &, const string &, double = 0.0, double = 0.0);

private:

Package

## private:

- string name;
- string address;
- string city;
- string state;
- string senderzip;
- string reczip;
- double weight;
- double costperounce;

## public:

+ Package(const string &, const string &, const string &, const string &, const string &, double = 0.0, double = 0.0);

// getters and setters

- + void setName(const string &);
- + string getName() const;
- + void setAddress(const string &);
- + string getAddress() const;
- + void setCity(const string &);
- + string getCity() const;
- + void setState(const string &);
- + string getState() const;
- + void setSenderZip(const string &);
- + string getSenderZip() const;
- + void setRecZip(const string &);
- + string getRecZip() const;
- + void setWeight(const double &);
- + double getWeight() const;
- + void setCostPerOunce(const double &);
- + double getCostPerOunce() const;
- + double calculateCost(double, double); // multiply weight \* cost per ounce

TwoDayPackage: Package

ublic:

TwoDayPackage(const string &, const string &, const string &, double = 0.0, double = 0.0);

private: