

## Objectives:

As a programmer, you will be expected to understand good coding practice and logical structures. For this project **you must show mastery of:**

- Proper code layout
- Variable declaration and initialization
- Proper library importing
- Constant declaration and initialization
- Collections (arrays)
- Method overloading
- Anonymous object
- Modularization
- Dispatching
- Program sequence, selection, & looping
- Cohesion
- UML
- Javadoc
- Input validation/sanitization
- Good programming practices

# Lab 5

*All of the chapter exercises plus:*

## Web Site Sales by Lame-O

You are a programmer for Lame-O web design company. Currently your company offers five different 'cookie-cutter' designs that customers can select from. Your job is to create a sales application for your company's web site so that customers can purchase their own designs. Once they have selected a design, they can choose from five unique features in each design. Each feature adds to the cost of their site. See the table below for the designs and added costs:

Design	Base Price	Feature 1	Feature 2	Feature 3	Feature 4	Feature 5
Nature	300	10	15	20	25	30
Tech	350	20	30	40	50	60
Business	375	30	40	50	60	70
Music	400	85	95	110	130	210
Naughty	500	100	200	300	400	500

- Write a program that automatically creates a unique 5-digit customer number.
- Store customer data: Last & first name, company name, address, city, state, zip, phone.
- Allow customer to choose design type and have features with prices displayed.
- Allow customer to select design and features.
- Generate a bill of sale for customer.
- Store customer data & order information.

