

Expeditors Backend Academy Labs

Introduction

This document contains the labs for the Expeditors Backend Academy.

The instructions are split up into **Classwork** and **Homework**. The Classwork we will do in class together. You should do the Homework in the **Homework** module. Create a new package for each week's homework if it makes sense. I will go through an example before we start.

Week 3

Homework

Objectives

1. Learn how to write Constructors
2. Reference Arrays and Collections
3. Inheritance.

Tasks

1. Constructors
 - a. Create appropriate Constructors for the class(es) you have created for the Adoption application. Try and initialize your objects in only one place in the code.
 - b. Make sure your objects are always properly initialized, no matter which constructor is called. All variables that should not be null should have an appropriate value.
 - c. Write Unit tests for all your constructors. Aim for 100% coverage on the constructors.
2. Change your application class to use the Constructors to create a List of 2 Adopters and print them out using a *toString* method.