

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 10

Classwork

1. Intro to SQL.
2. Design a database for the StudentService.
3. Use SQL to set up the database for the StudentService

Homework

Objectives

1. Design, create and populate a database using SQL

Tasks

2. Design a database for the AdoptionService
 - a. Think of the tables you will need and
 - b. The relationships between the tables
 - c. Write SQL to
 1. Create a new database
 2. Create necessary tables
 3. Create appropriate indexes
 4. Grant all permissions to the 'larku' user
 5. Populate your database with data for a few Adopters