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# Empty Practical

Software Architecture

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**Teacher Version**

## 1 This Week

This week our goal is to:

- Dockerise our Todo application from last week.
- Move to a postgresql database from the SQLite database we used last week.
- Testing and Packaging our application on commit.

## 2 Pre-reading

If you havnt completed the Docker course then you should do that first. You can find it here: <https://ylearn.uq.edu.au>. The following practical builds upon the Docker course and wraps the Todo application in a Docker container with some nice extras.

## 3 Dockerising our Todo Application

### 3.1 Moving to a MultiStage Dockerfile

### 3.2 Moving to a Postgresql Database

### 3.3 Running migrations in our Dockerfile

## 4 Intro to Continuous Integration

### 4.1 Intro to GitHub Actions

### 4.2 Testing on commit

### 4.3 Packaging on commit

## References