Empty Practical   Software Architecture

February 13, 2023   Evan Hughes & Brae Webb

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 have not 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