Using Docker Compose and Dockerfile to Deploy a Full Stack App

In a project directory called fullStackApp, create two sub-folders – one for frontend and one for backend

In each of the folders, create a dockerfile:

fullStackApp/frontend/dockerfile

Text

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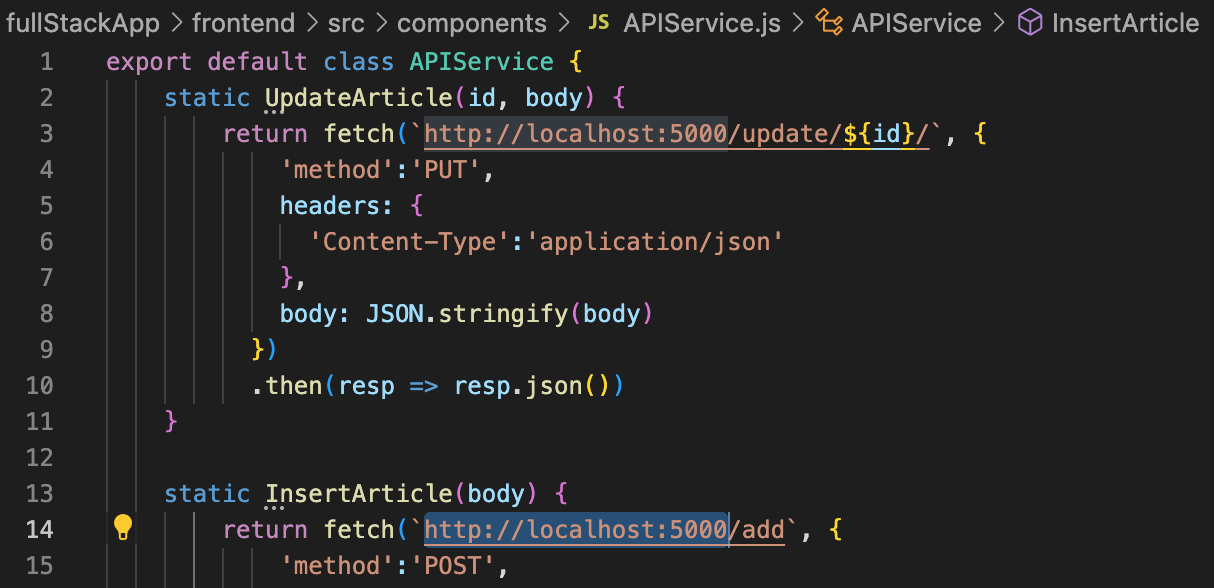
fullStackApp/backend/dockerfile

Text

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Make sure urls inside the frontend’s App.js and APIService.js files are correct (i.e. <http://localhost:5000/>)

Text

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Then, create a docker-compose file at the project directory level:

fullStackApp/docker-compose.yaml

Text

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Lines 5 and 9 indicates the location of dockerfile, which contains the build configuration for creating container images

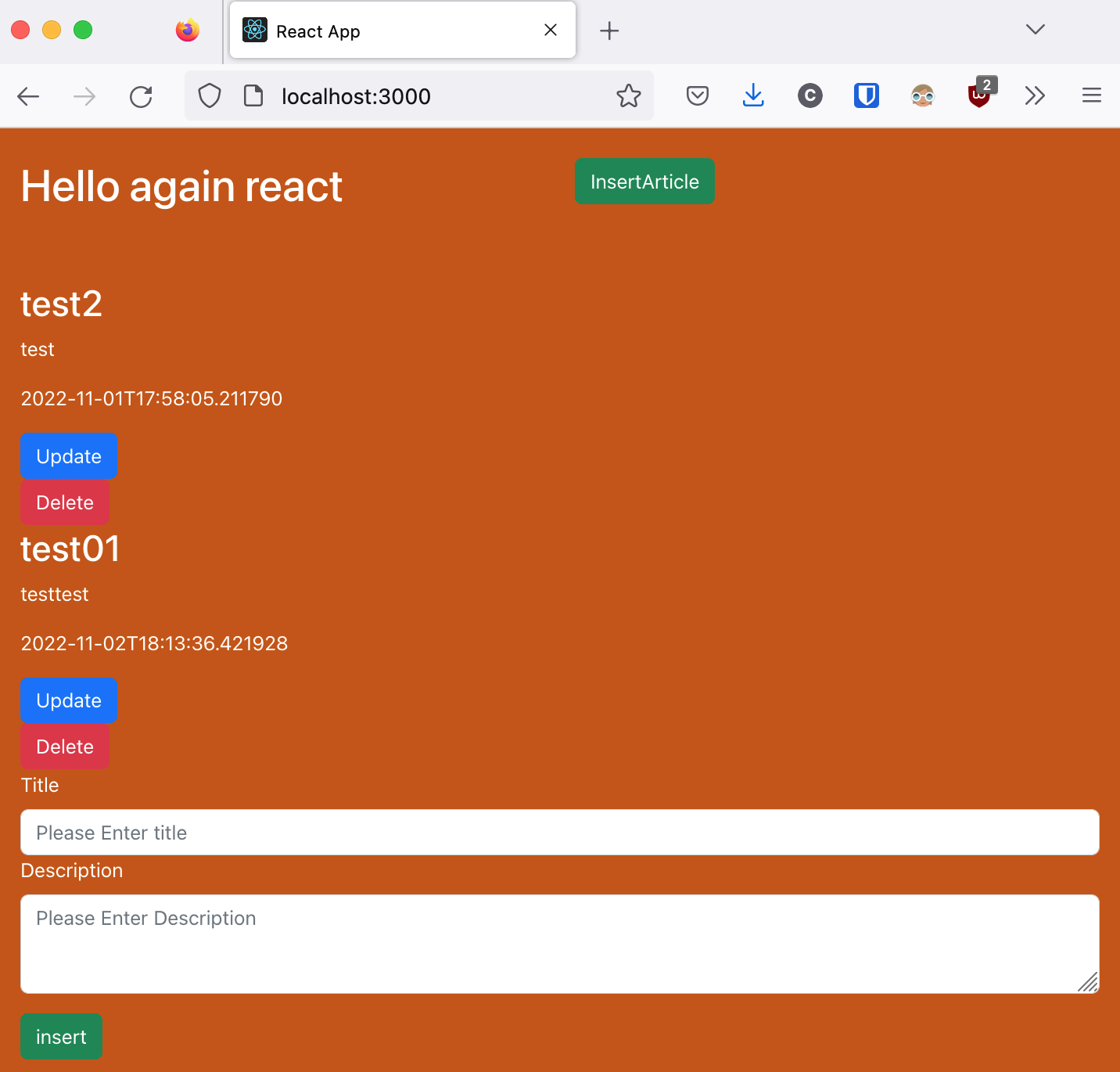
Lines 6-7 and 10-11 indicates the mapping of host port to container port

To create the images and containers and start them, run the command ***docker-compose up***:Text

Description automatically generatedGraphical user interface, text

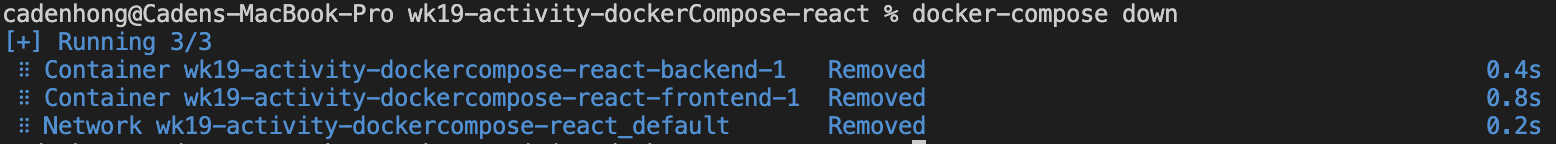
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Once you access the website:



To destroy the created containers and images, run the command ***docker-compose down***:



\*\*\*Notice that there is a network that gets created and deleted – this is how the co