DOCUMENTATATION

ASSIGNMENT 1: ENERGY MANAGEMENT SERVICE

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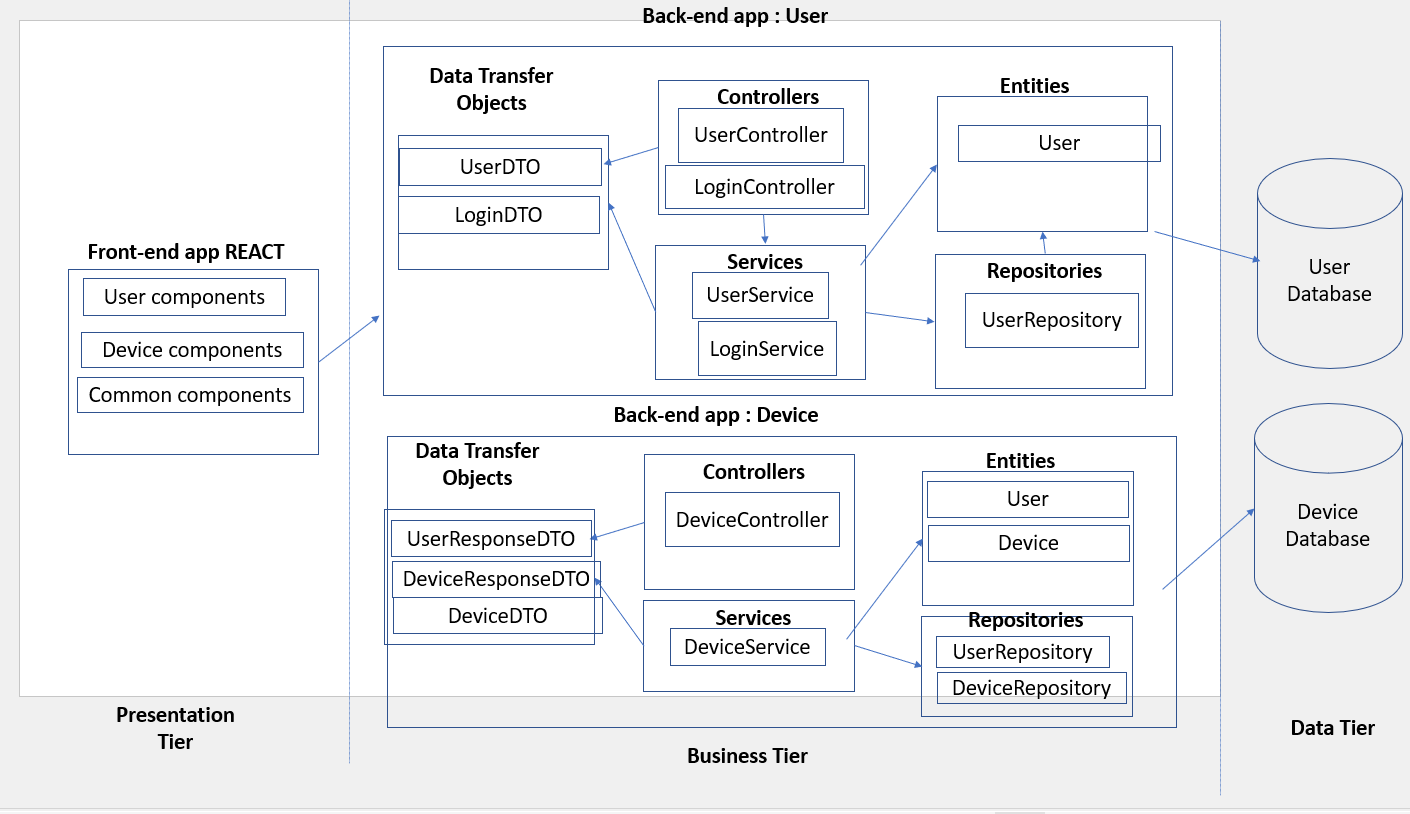
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# Objectives

The task was to develop an Energy Management System that consists of a frontend and two microservices designed to manage users and their associated smart energy metering devices. The system can be accessed by two types of users after a login process: administrator (manager), and clients. The administrator can perform CRUD (Create-Read-Update-Delete) operations on user accounts (defined by ID, name, role: admin/client), smart energy metering devices (defined by ID, description, address, maximum hourly energy consumption), and on the mapping of users to devices (each user can own one or more smart devices in different locations).

# Problem analysis, modelling, use cases

Conceptual architecture:



Deployment diagram:

A diagram of a server

Description automatically generated

# Design and Implementation

# Build instructions