Software Architecture Document (SAD)

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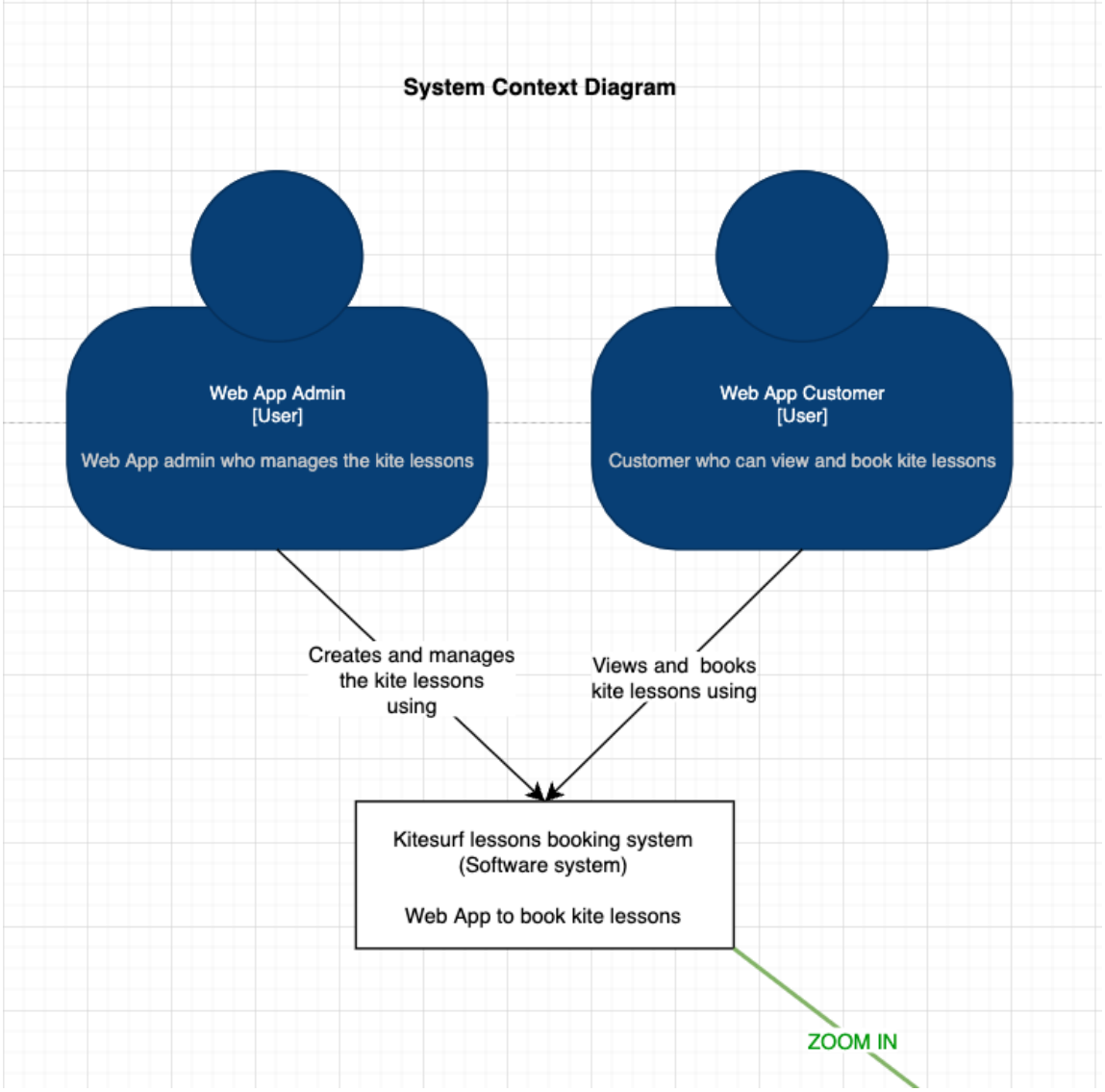
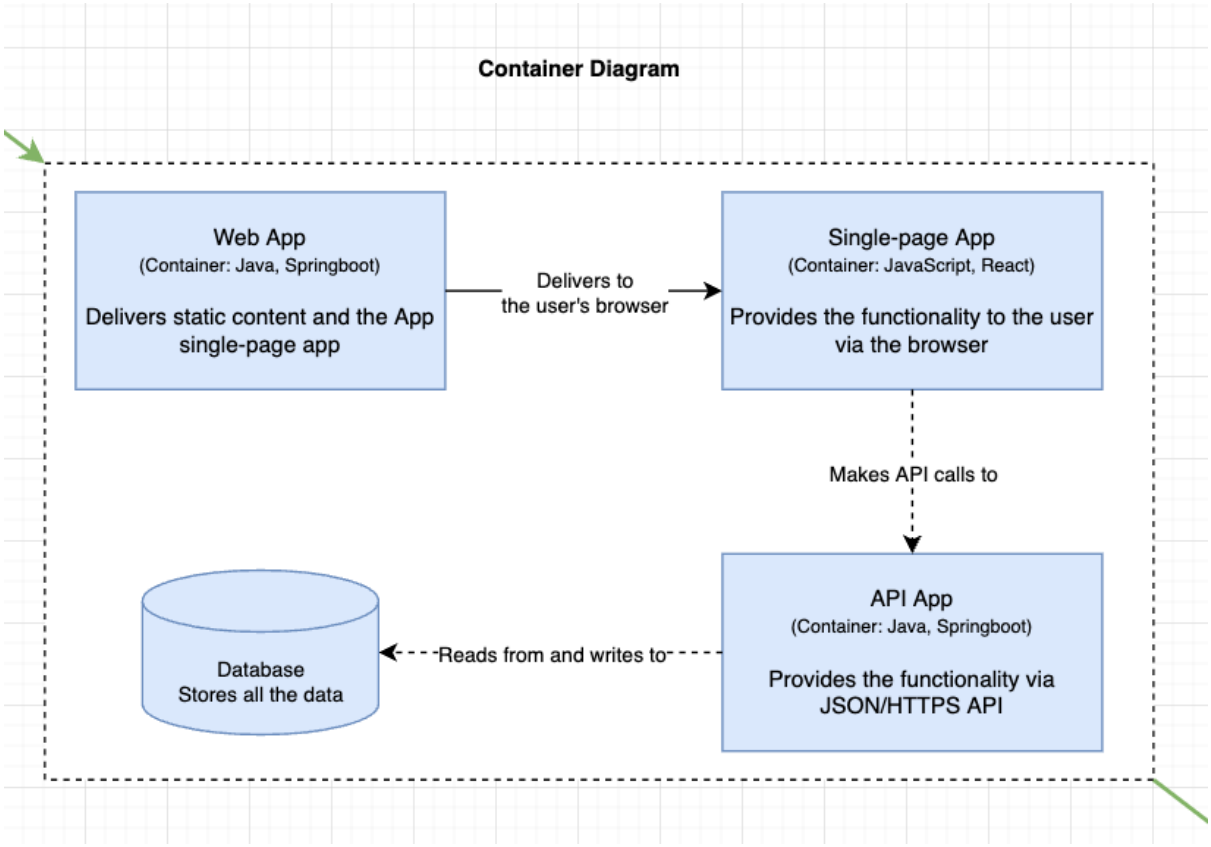
Introduction

In this document, I present an overview about the architecture about the web app I am working on using c4 model.

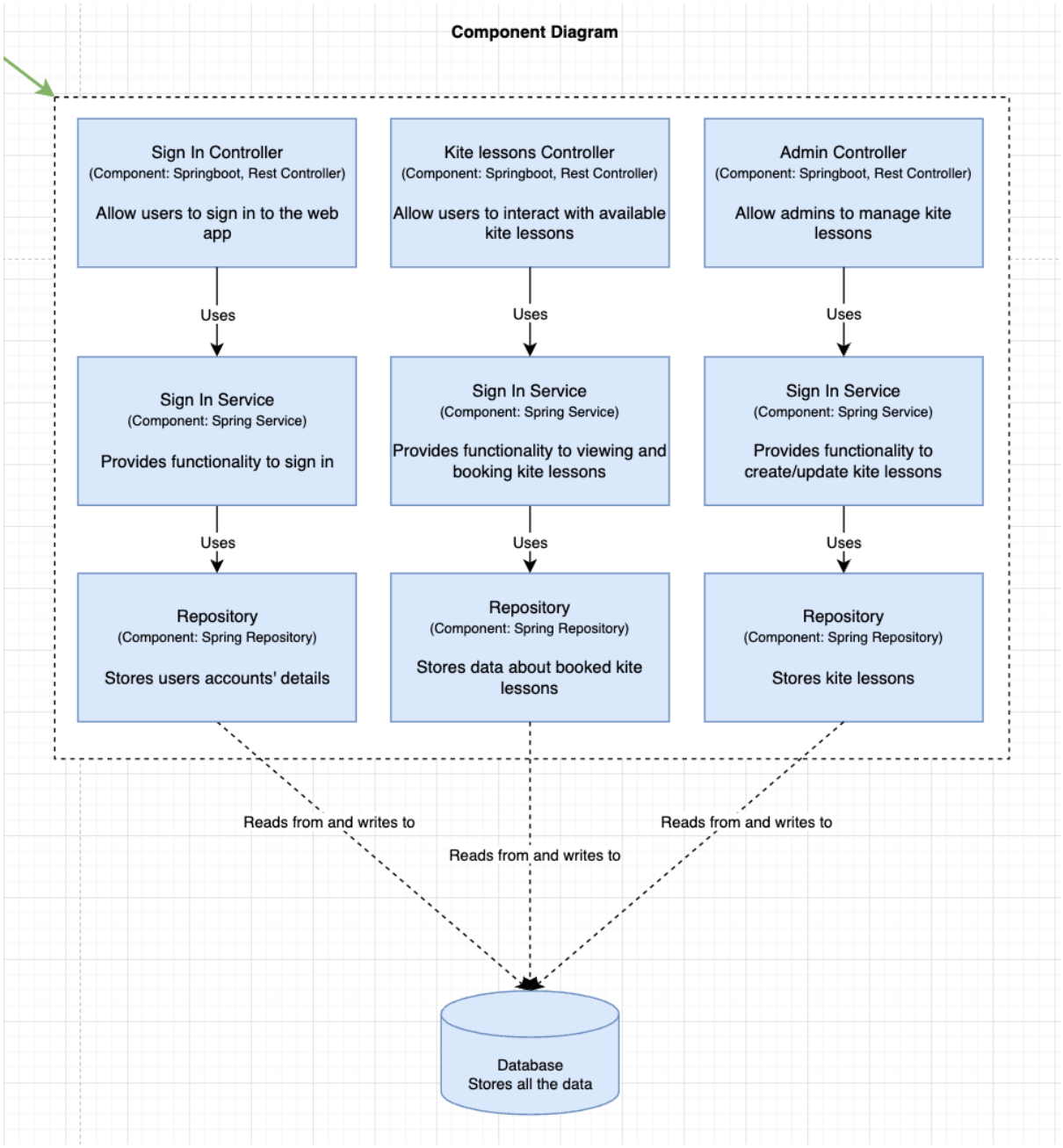
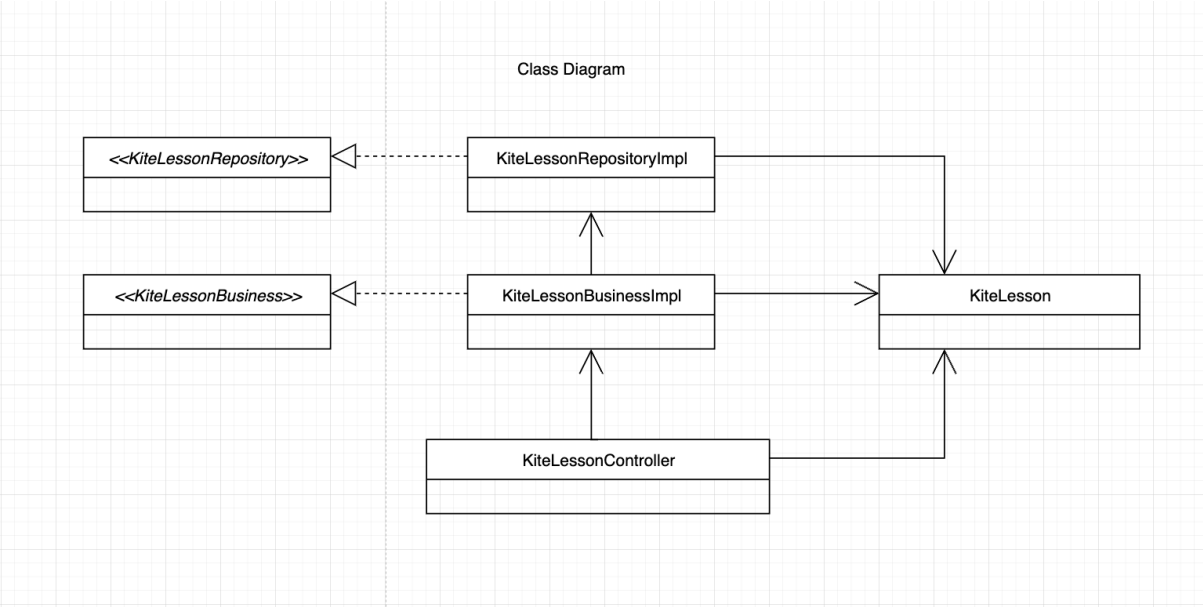
System Context



Containers and Tech Choices



Components


Component Diagram
Sign In Controller
(Component: Springboot, Rest Controller)
Allow users to sign in to the web app
Kite lessons Controller
(Component: Springboot, Rest Controller)
Allow users to interact with available kite lessons
Admin Controller
(Component: Springboot, Rest Controller)
Allow admins to manage kite lessons
Uses
Uses
Uses
Sign In Service
(Component: Spring Service)
Provides functionality to sign in
Sign In Service
(Component: Spring Service)
Provides functionality to viewing and booking kite lessons
Sign In Service
(Component: Spring Service)
Provides functionality to create/update kite lessons
Uses
Uses
Uses
Repository
(Component: Spring Repository)
Stores users accounts' details
Repository
(Component: Spring Repository)
Stores data about booked kite lessons
Repository
(Component: Spring Repository)
Stores kite lessons
Reads from and writes to
Reads from and writes to
Reads from and writes to
Database
Stores all the data

Class Diagram