Architecture Design

CodexHub

Version table

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Back end design

My backend uses a microservices approach to architecture. The functionality is split between the different components that communicate to one another.

Each microservice makes use of different design patterns and is written in .NET Core. The patters are subject to change as I'm still trying out different approaches and researching the standards and options of .NET.

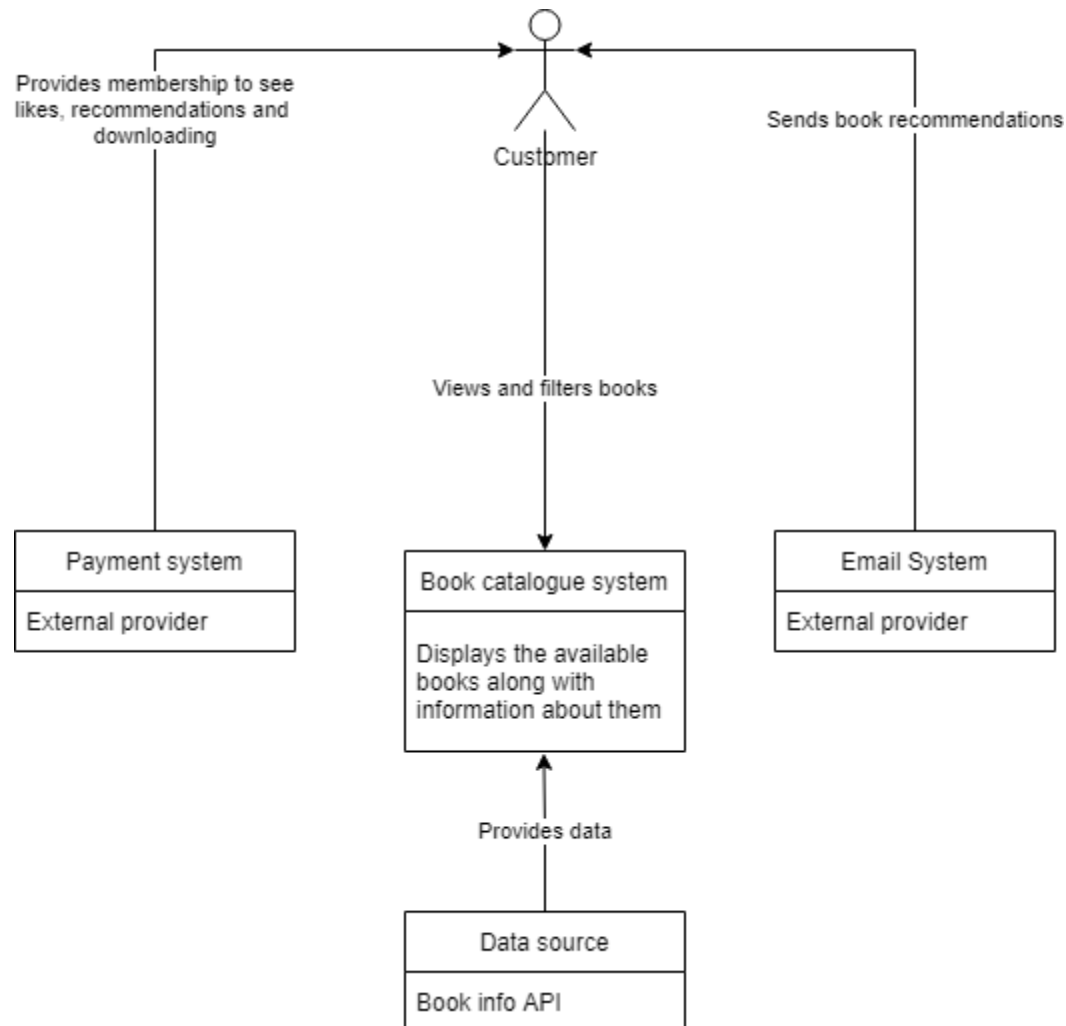# Entity Relationship Diagram

To be added

Continuous integration diagram

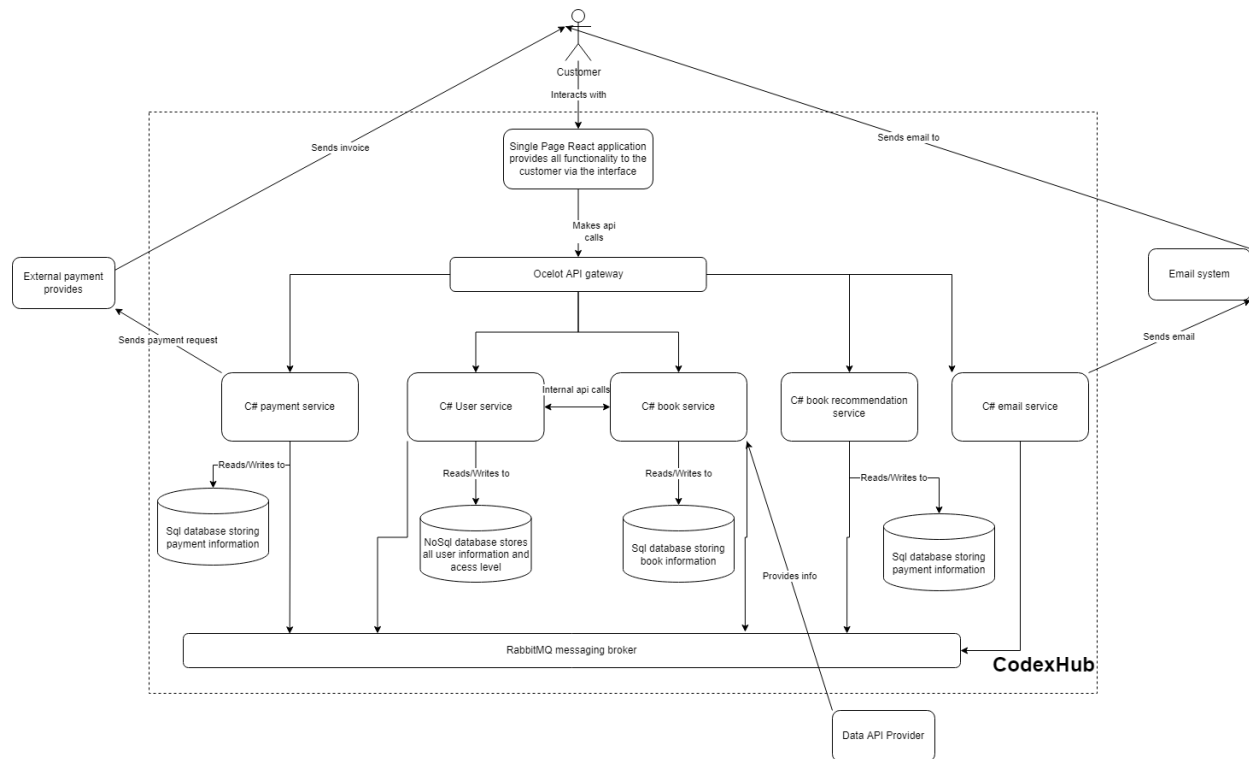To be added

C4 design Model

C1 Context Diagram

This diagram shows the big picture of the entire system. It shows how the user would interact with different existing parts of the system.

C2 Container Diagram

The diagram separates the entire system into individual components such as the microservices implemented and external systems. It also shows how the user would interact with these components and how these components interact with one another.

C3 Component Diagram

The component diagram looks further into the container and gives an overview of the individual microservices and their interactions. The simple overview is given in the diagram below.

The structure is subject to change when the app will grow more complex and there will be more needed microservices added along with different components inside each one