

Design Document

Viktor Skachkov



22-03-2023

Tutors: Márcio Paixão Dantas and Erik van der Schriek

Table of contents

Съдържание

Table of contents	2
Versioning Table.....	3
Introduction	4
System Context	6
Containers and tech choices	7
Components.....	8

Versioning Table

Version	Changes
1.1	I created the document

Introduction

Company Red Scar wants a website where they can sell their videogames because they believe this would boost their sales. It has tasked us to create the website which allows users to buy videogames and additions, give reviews to them and read news articles. It should also allow employees to add, edit and remove games, additions and news articles.

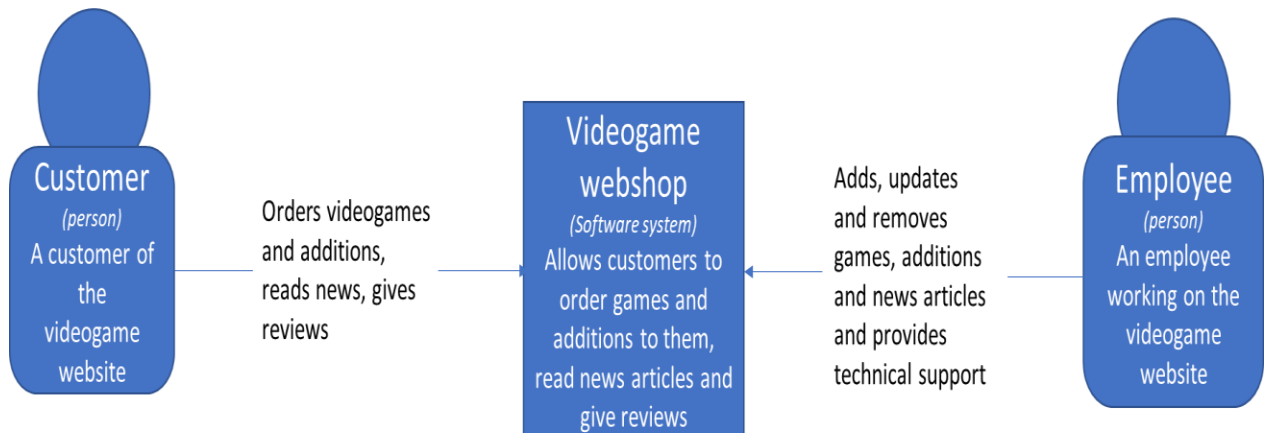
Justification of Decisions

I use React for the frontend because compared to other frontend frameworks, the React code is easier to maintain and is flexible which saves huge amounts of time and costs. It builds interactive user interfaces and web applications quickly and efficiently with significantly less code than you would with vanilla JavaScript.

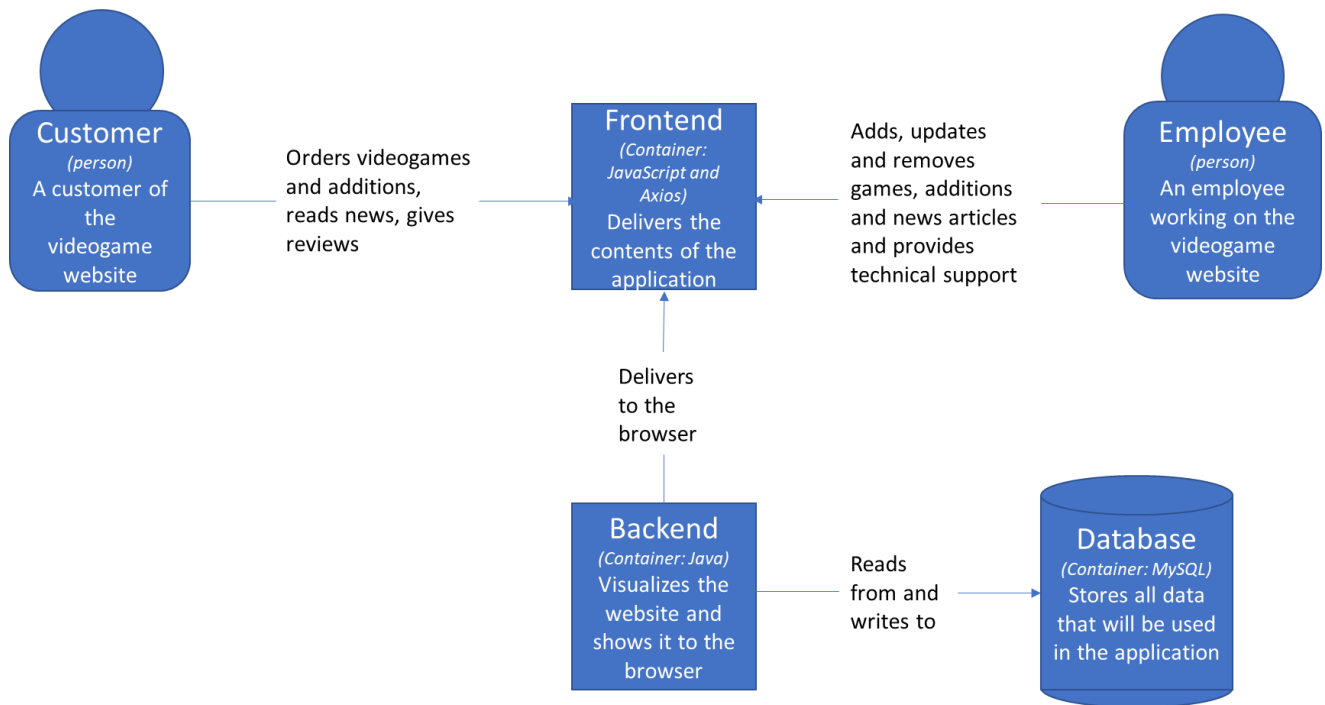
I use Java for the backend because it's a platform-independent language which means it can run on different operating systems, has efficient memory management, and it supports high scalability. It was designed to be easy to use and easy to write, compile, debug, and learn.

I use MySQL because of its high-performance query engine, tremendously fast data insert capability, and strong support for specialized web functions like fast full text searches.

System Context



Containers and tech choices



Components

