

Principles of Software & Requirements

Group 6

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Design

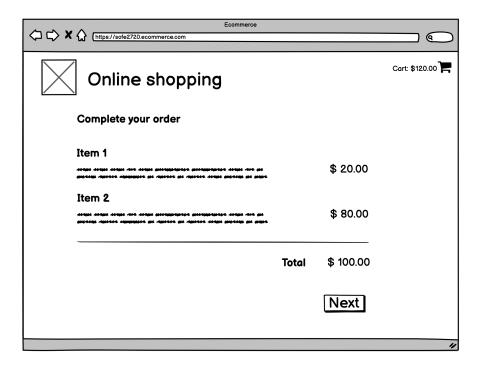
Due to the Covid-19 pandemic, our store has seen a dramatic decrease in recent sales due to people being quarantined and overall not feeling safe to leave their homes. This website was created in response to that situation, and will hopefully attract more attention to our store. It allows customers to see what products we have low in stock and get delivered fresh groceries all in the comfort of their own homes. The website will also contain our weekly digital flyer, showcasing discounts on our products that will get more customers to shop with us.

Diagrams & Mockups

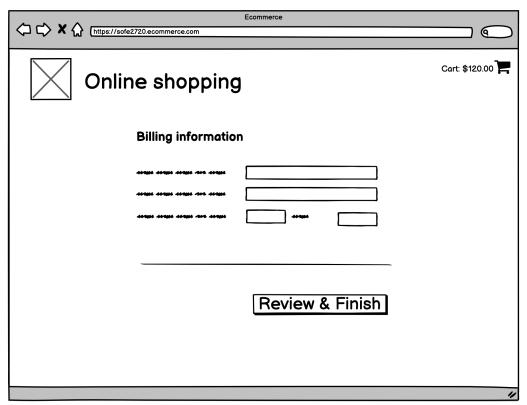
Page with product information with picture, description and price



Checkout page



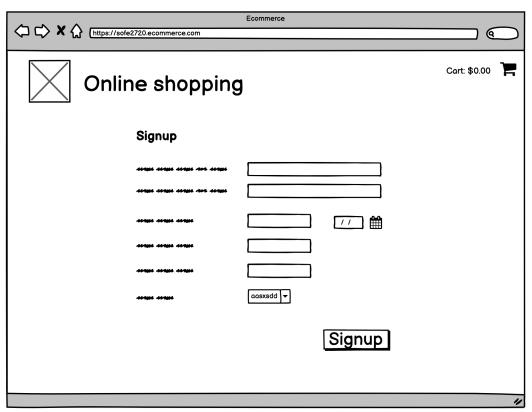
Billing information form



Login page



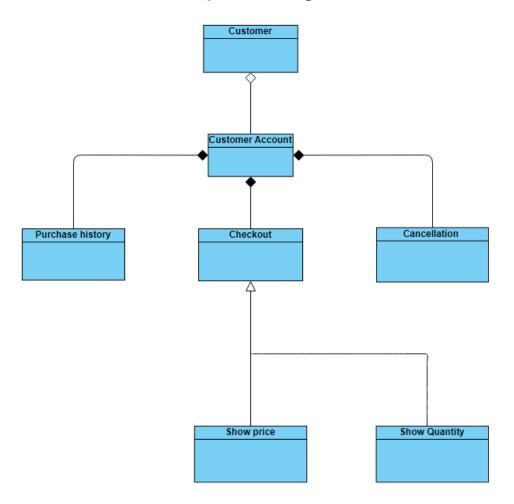
Signup page



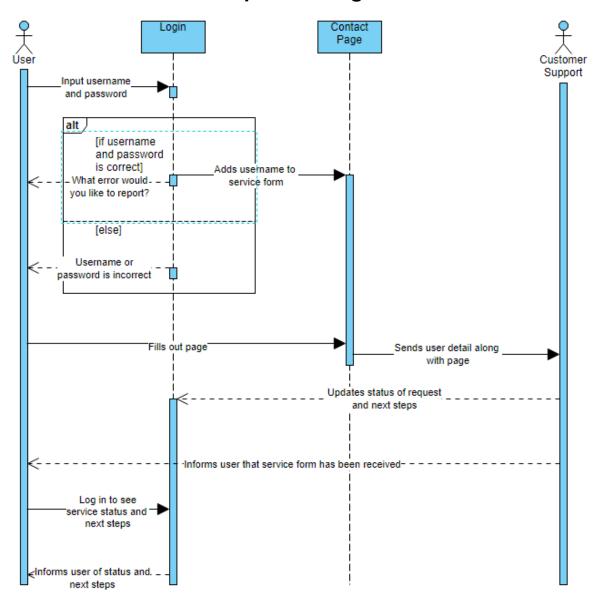
Customer service



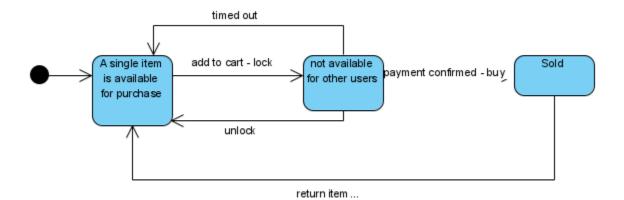
Component Diagram:



Sequence Diagram:



State Diagram:



Jamboard Diagram:

Customer

Create orders online

IT/Customer care phone number Weekly flyer of discounts

Product with description, picture and price

Gather user's information and track the purchase history

Payment (pay online or inperson, VISA, AMEX, cash)

End User

Website easy to use

Up to date list of new items for sale

Buy products on mobile

Track the order after purchasing

System Functionality

Online flyer with discounts and product descriptions

Online showcase of items available in-store or online with product description and price Cart with the option to purchase online with delivery, online with pickup, or in-person with pickup

Website must be secure (encrypted)

System Constraints Method to contact Customer Support and a website bug report feature Ability to choose a store closest to consumer with pickup option

Design Element Review:

The prototype of the website has features that all the stakeholders and users wanted, according to our jamboard notes. The prototype did not feature the sequence diagram yet, as implementing the customer service part was not the biggest concern as it was not necessary for a minimal usable program. Our component diagram was successfully followed as our prototype showcases all the parts in the diagram. Our prototype includes a customer account page, cancellation, checkout, show price and show quantity. While we didn't get to implement the purchase history, it will be completed in the near future.