



BufsMarket

By: Daniel, Alexandre, Ethan, Jaron, Haeseo






Table of contents

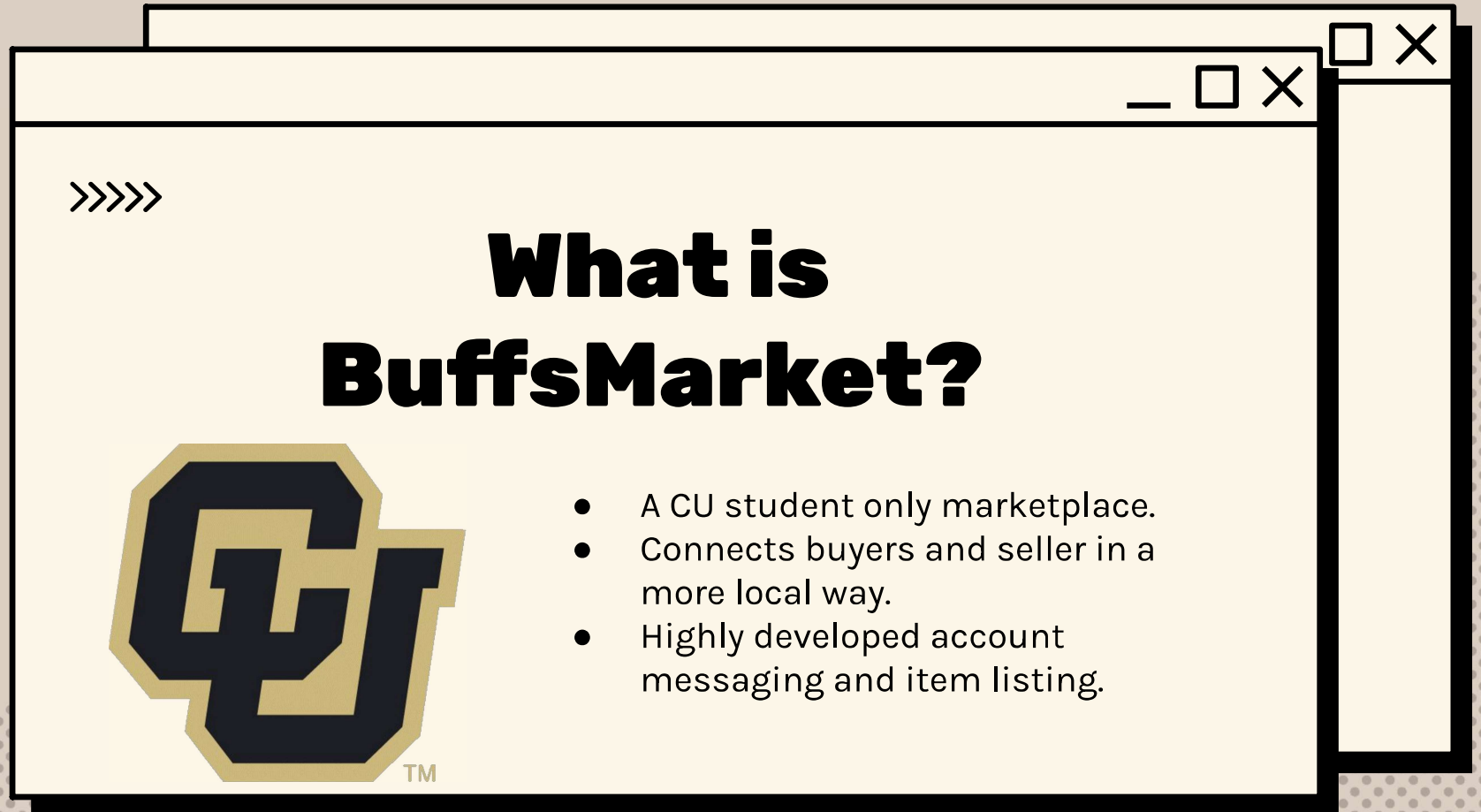


01 What is it?

02 Tools

03 Challenges
and Future

04 Demo



What is BuffsMarket?



- A CU student only marketplace.
- Connects buyers and seller in a more local way.
- Highly developed account messaging and item listing.

What sets us apart?



Local

Bufs Market is made specifically by CU students for CU students.



Multipurpose

From browsing, to buying, to selling, if you we do it all!



Easy

As long as you have a colorado.edu, it takes less than 5 mins to make an account.



.....

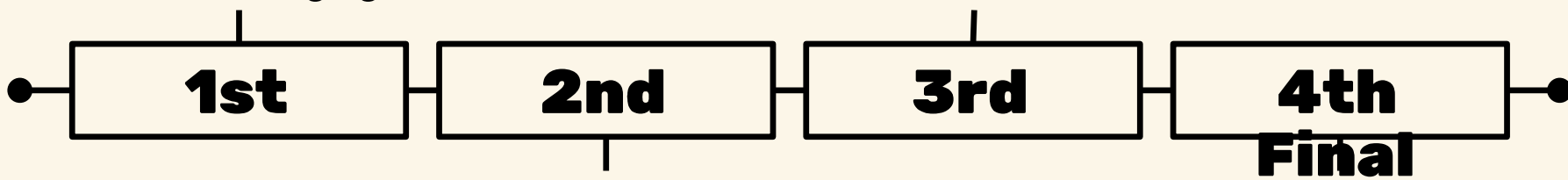
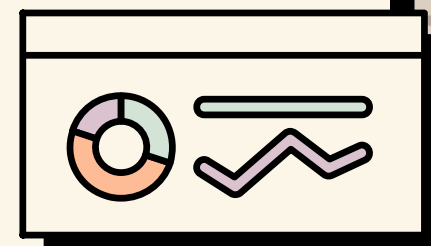
The Timeline

Skeleton

Account Creation
Add Listings
Basic Messaging

Render

Works in Render, Internet acs.
More Developed Messaging



Docker

Working Version in Docker
Remove, Edit, My Listings

Version

Fully Operational Marketplace
More Designed Front End
Additional Details
2FA

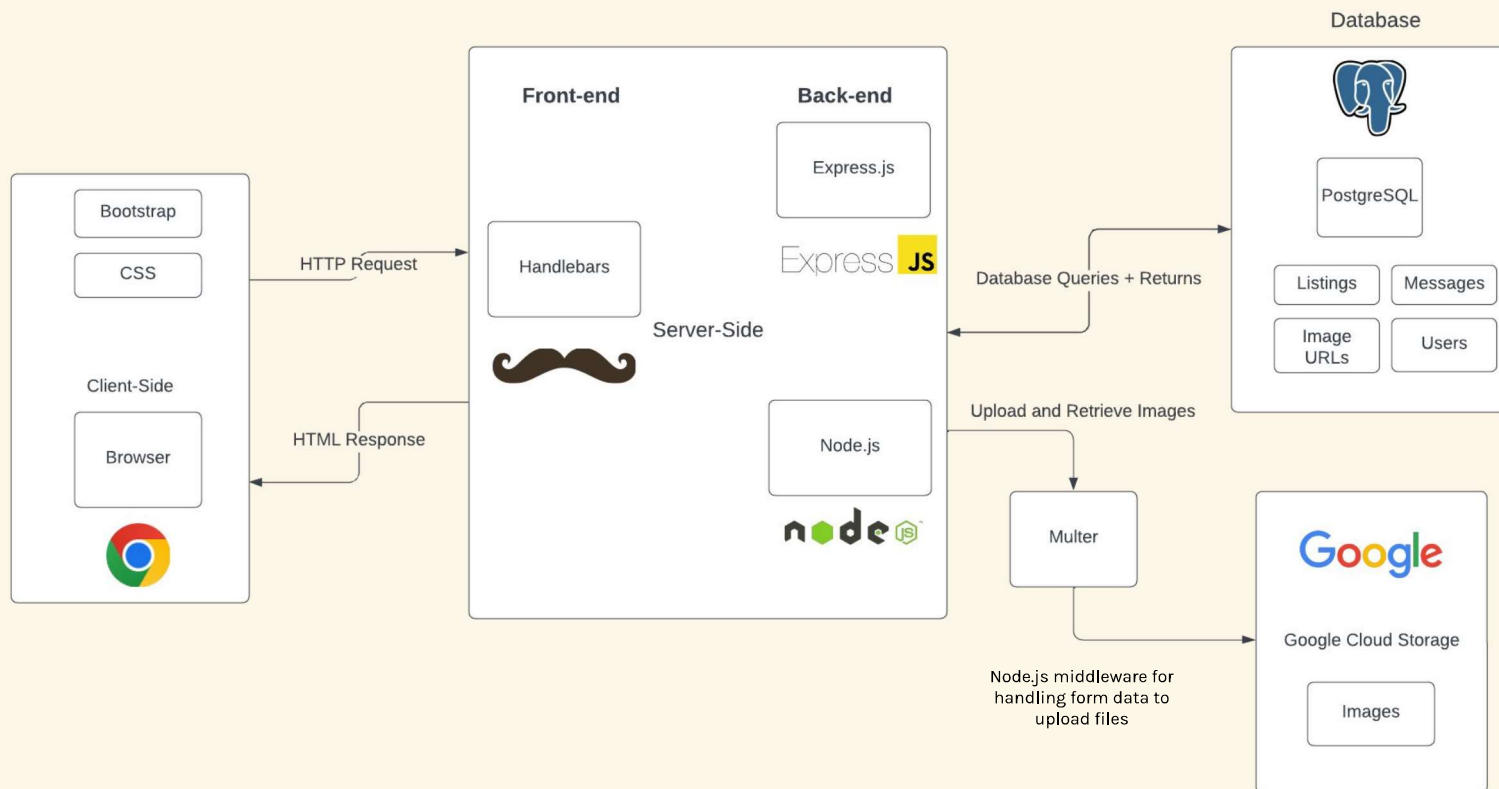


02 Tools

- Project tracker (Discord/Github)-4
- VCS repository (Github)-5
- Database (PostgreSQL)-5
- IDE (VS Code)-5
- UI Tools (HandleBars, Bootstrap)-5
- Application Server (NodeJS)-5
- Cloud Service (Render)-2
- External API's (Google Cloud Storage)-4
- Middleware (Multer)-4
- Testing tool (Mocha)-3
- Encryption (Bcrypt)-5
- 2 factor authentication (nodemailer/gmail)-5



Architecture Diagram





Challenges



Docker

Implementing docker was a struggle at the start.



Render

Sometimes launching the website would cause issues.



Image Upload

Multi-Image upload took a lot of outside research.



Messaging

Developing a messaging system, non third party was pretty work intensive.



Future Scope & Enhancements



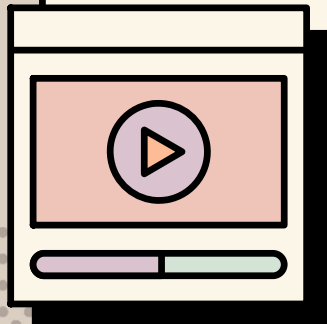
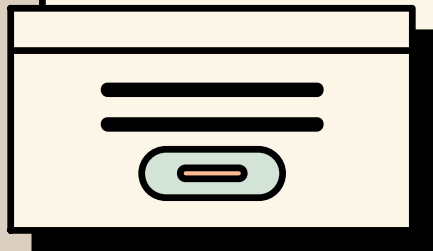
Expanding to more universities



Enhancing Security

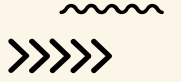


Payments & transactions





Project Demo



.....

<https://buffsmarket.onrender.com>



A picture is worth a thousand words