

# Progress Report: Sprint 3

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CS496

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## Goals for the most recent sprint

- Complete poster revisions and turn it in.
- Flesh out front-end for poster session.
- Implement redis visualization.

## Activity Log

Name	Date	Time Spent	Description of Activities	Result of Activities
Preston	3/26	1 hour	Added clickable recomendations to frontend product cards	We now have a fully complete and functional product page
Preston and Kevin	3/26	3 hours	Started refactoring frontend to follow nextjs best practices.	Routing is now determined through the App router, instead of ad-hoc react state. Additionally, selecting a single product works through clicking and directly through the route url
Kevin	3/27	30 minutes	Changed homepage view to display less information for easier scrolling and less data intensive.	Frontend is easier to navigate on the left side.
Kevin	3/27	1 hour	Started working on the 3 column layout for the poster	Starting point for revamping our poster.
Kevin and Preston	3/28	2 hour	Continued fleshing out poster	Draft 1 sent out
Kevin and Preston	3/29	1 hour	Further adjusted poster	Draft 2 sent out

Name	Date	Time Spent	Description of Activities	Result of Activities
Kevin and Preston	3/30	4 hour	Finished major refactor of frontend to support nextjs server side components. Additionally added parallel routes for rightside.	Data is now fetched in the backend and passed to the frontend instead of all data being passed to frontend and rendered using js.
Kevin and Preston	4/2	1 hour 30 mins	Did research about cockroachDB, decided to use yugabytedb instead. Began work connecting Yugabyte to backend.	New branch yugabyte containing docker code to replace postgres.
Preston	4/2	8 hours	merged frontend branch and sharding branch with main branch (yes it took that long)	Our project is now connected and working with all 4 databases and an working (but not implemented) sharding algorithm
Kevin and Preston	4/3	2	Finished replacing postgres with yugabyte on rust script and connected it to backend. Added redis to rust docker script. Fixed configuration for all databases in rust script.	Yugabyte is now ready to replace postgres.
Preston	4/3	3 hours 30 minutes	Added redis table to the frontend	We can now visualize redis schema data on the frontend
Preston	3/22	15 minutes	Worked on poster	
Preston	3/23	15 minutes	Worked on poster	
Preston	3/24	30 minutes	Worked on poster, completing the experiences and reflections section	We now had a final format of the poster to iterate on
Preston	3/28	15 minutes	Worked on poster	
Preston	3/30	30 minutes	Made my final adjustments to poster	had a complete poster that just needed a few feedback changes
Dalton	3/28	1 hr 30 minutes	Added the schema section to the poster.	The poster now has the structure of our databases visualized.
Dalton	3/29	45 minutes	Made revisions to the neo4j graph in the schema section and tested out different fonts.	The schema section is complete.

Name	Date	Time Spent	Description of Activities	Result of Activities
Dalton	3/31	30 minutes	Made the final corrections to the poster and submitted.	The poster is complete.
Dalton	4/1	30 minutes	Implemented possible helper methods for the search bar and finding products.	This did not work very well, decided to go back to a context.
Dalton	4/2	1 hour	Fixed the search bar using contexts.	The search bar is back to functional.
Dalton	4/3	3 hours	Worked on styling for the add data page, and got adding products working successfully.	We can now add products completely from the frontend.
Dalton	4/3	2 hours	Implemented the ability to add users as well.	We can now add users from the frontend.