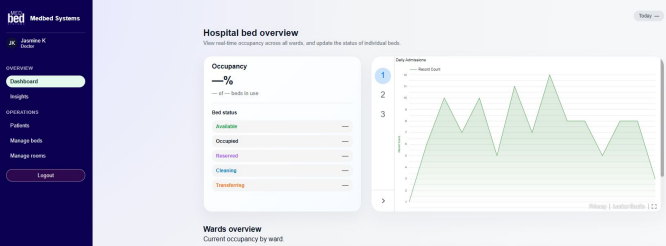


# Progress 5 Presentation



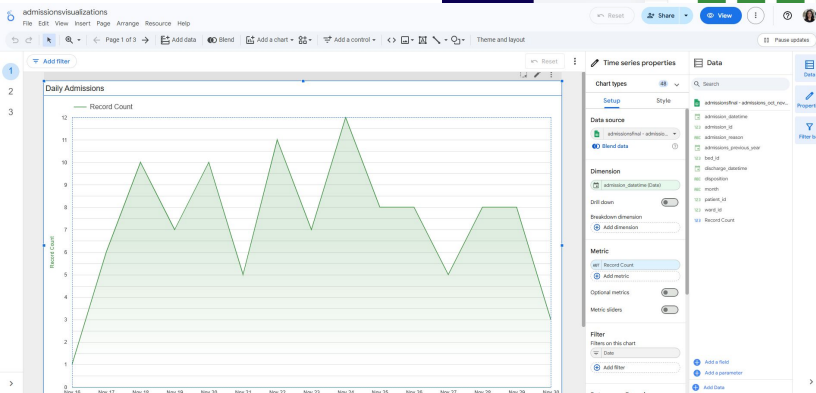
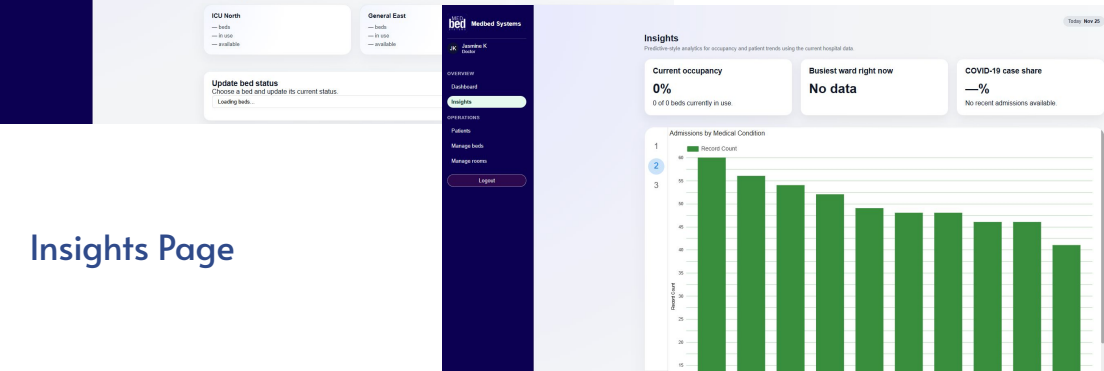
## Dashboard/Home Page

## Front End Changes + Improvements

- Updated and refined UI design
- Added additional testing using mock data
- All calculations now update in real time
- Small mock datasets work fully; currently scaling testing to datasets in the hundreds

## Dashboards + Visualizations

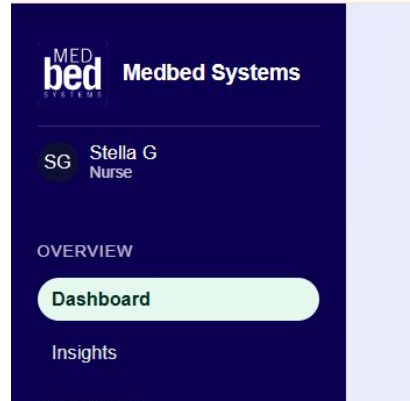
- Originally built dashboards in Grafana, but switched to Looker Studio for smoother integration with GCP bucket data
- Three visualizations created:
  - Daily Admissions over the last 2 weeks
  - Admissions by Medical Condition (reason for admittance)
  - Trendline Forecast for predictive analytics
- Interactive Features
  - Direct filtering and interactive clicking on the webpage is limited
  - Users can open the embedded Looker Studio report from the webpage to apply filters and explore predictive analytics/trendline forecasts
  - This allows viewers to analyze patterns in medical conditions across specific dates



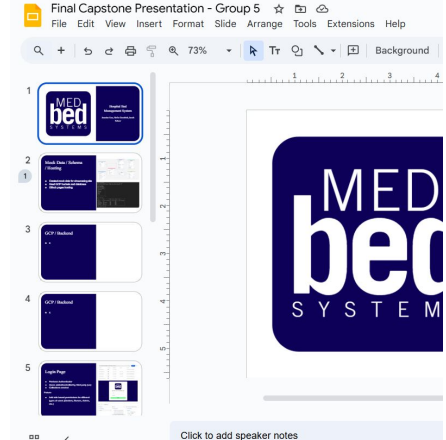
## Looker Studio

# Live User

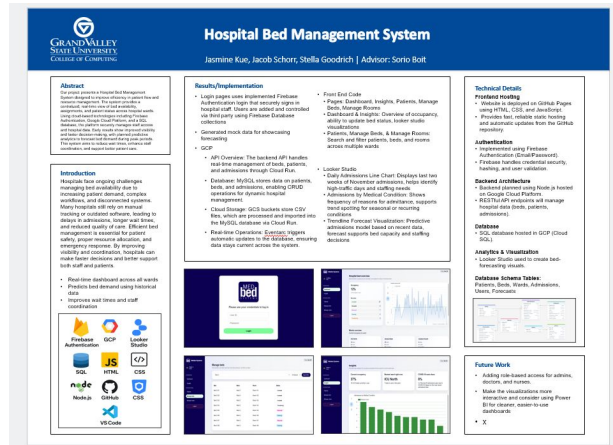
- Added correct user when logged on
- Created a collection in firebase database using unique ID



# Final Presentation Slides



Panel view Query builder		
3s3RTM71ovU9...		
(default)	users	3s3RTM71ovU9JmuMzWne5W7o...
+ Start collection	+ Add document	+ Start collection
users	3s3RTM71ovU...	+ Add field
	7iHZbg3LxzS...	email: "jasmine@gmail.com"
	D7oA9L5vutY...	fullName: "Jasmine K"
	fo72XQihumT...	role: "Doctor"



# Final Poster

# Backend 99% Complete

- Database is fully hooked up to frontend
- Data is now “live” and can be updated from Dashboard, data stays changed even after page is closed. (Database in GCP updates and stores it correctly)
- Still having problems with displaying “Patients” csv

## Wards overview

Current occupancy by ward.

### ICU North

10 beds  
2 in use  
3 available

### General East

25 beds  
2 in use  
21 available

### Isolation South

8 beds  
1 in use  
3 available

## Update bed status

Choose a bed and update its current status.

Bed B203 (General East)

Available

Patient ID (only required if <

Update bed

## Bed details

Bed number: B203  
Status: available  
Type: General  
Ward: General East (Floor 1)  
Patient assigned: None

## Patient details

Patient ID: None  
Name: No patient assigned  
Admission status: N/A  
Bed status: available  
Bed type: General  
Ward: General East

All wards		All statuses		Apply filters
Bed	Ward	Room	Status	
Bed A101	Ward 1	Room 101	Reserved	
Bed A102	Ward 1	Room 102	Reserved	
Bed A103	Ward 1	Room 103	Reserved	
Bed A104	Ward 1	Room 104	Cleaning	
Bed A105	Ward 1	Room 105	Transferring	
Bed A106	Ward 1	Room 106	Available	
Room	Ward	Building	Floor	Beds
Room 101	ICU North	A	2	1
Room 102	ICU North	A	2	1
Room 103	ICU North	A	2	1
Room 104	ICU North	A	2	1
Room 105	ICU North	A	2	1
Room 106	ICU North	A	2	1
Room 107	ICU North	A	2	1
Room 108	ICU North	A	2	1
Room 109	ICU North	A	2	1
Room 110	ICU North	A	2	1
Room 201	General East	B	1	1
Room 202	General East	B	1	1
Room 203	General East	B	1	1
Room 204	General East	B	1	1
Room 205	General East	B	1	1
Room 206	General East	B	1	1