

MICHIGAN STATE

UNIVERSITY

Beta Presentation

DRIVEN-4 Web Application

The Capstone Experience

Team DRIVEN-4

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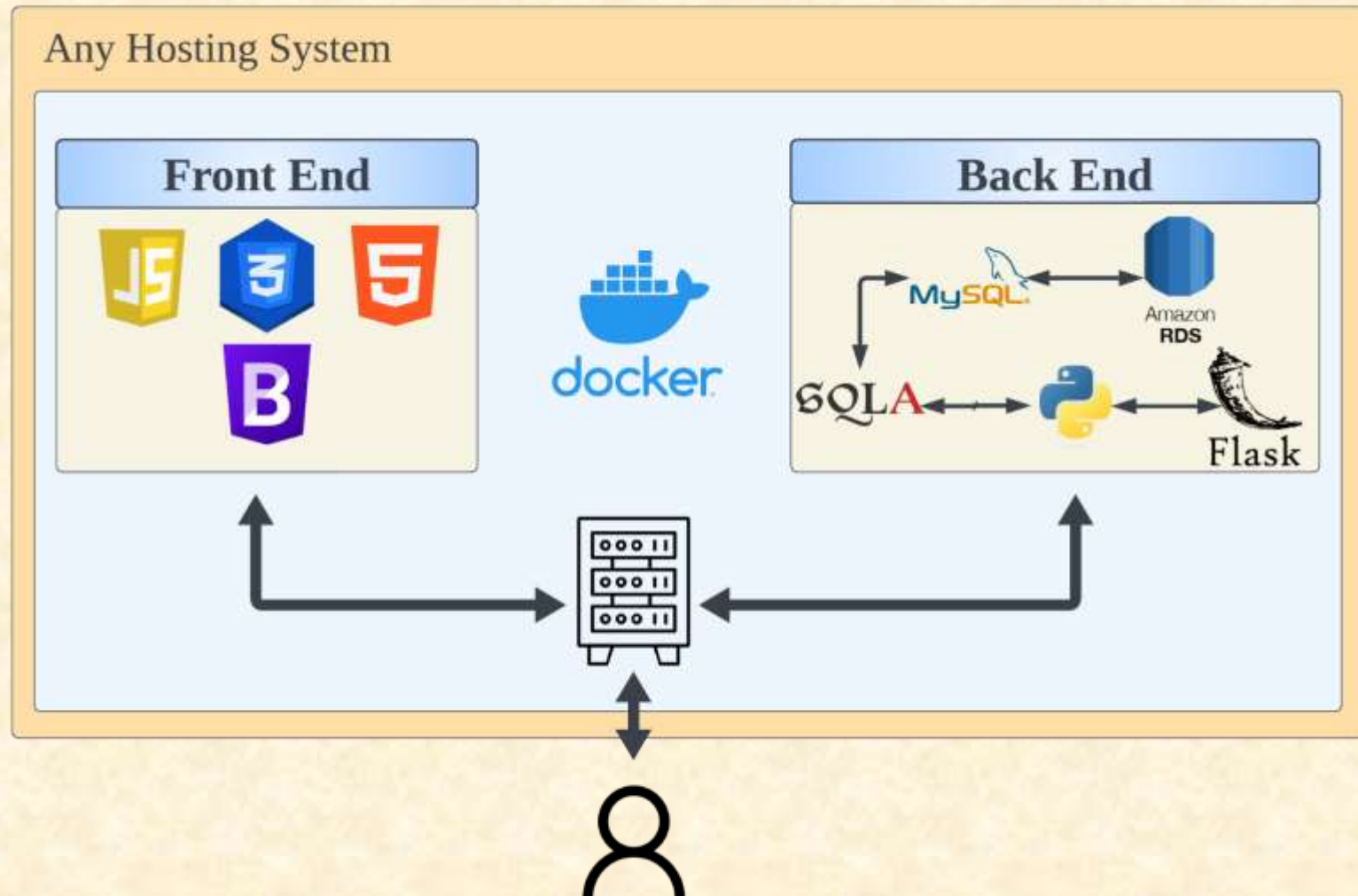


*From Students...
...to Professionals*

Project Overview

- Facilitate connections to DRIVEN-4 Connect modules through custom endpoints
- Enhance data analysis of data collected from modules
- Custom dashboard to view data and control modules

System Architecture



Data Modifications Page

Home
Device Management
Data Management
Data Analysis
User Management
Account Settings
Billing

DRIVEN-4

Welcome dongyu
dongyu@dongyudairy.com (admin)

Data Modification

Data Set Modifications

55

idEntry	Edit
idModule	Edit
IMEI	Edit
idEndpoints	Edit
time	Edit
dBs	Edit
ModemTemp	Edit

Add Column Remove Column

Available Data Sets

End Points	\$\$	\$\$\$
endpointString: VARCHAR(255)	idEntry: INT	idEntry: INT
method: VARCHAR(255)	idModule: INT	idModule: INT
time: DATETIME	IMEI: VARCHAR(255)	idEndpoints: INT
	idEndpoints: INT	time: DATETIME
	time: DATETIME	temperature: DEC(10,2)
	dBs: INT	
	ModemTemp: DEC(10,2)	

Logout



Querying Page

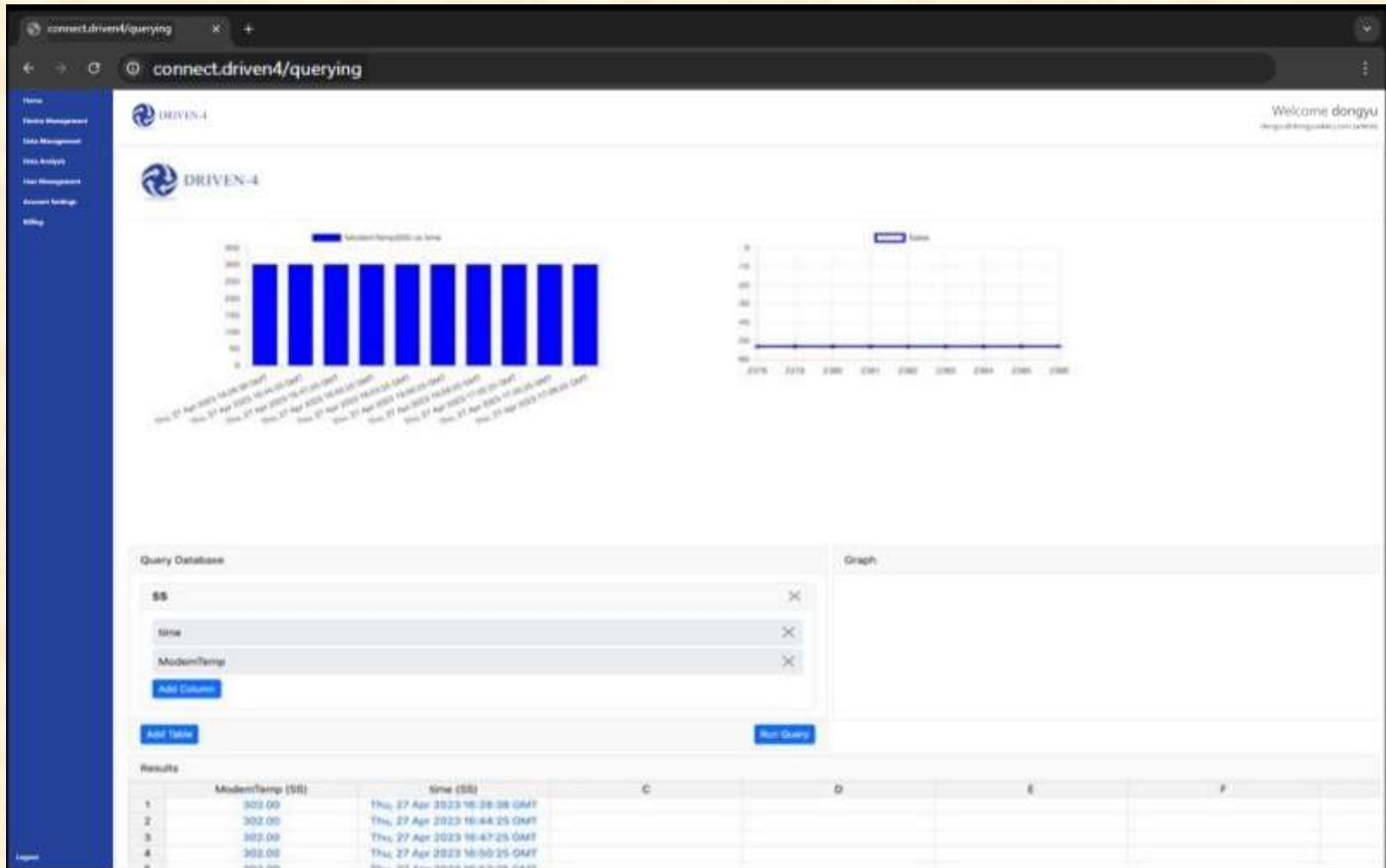
The screenshot displays the DRIVEN-4 querying interface. On the left is a blue sidebar with navigation options: Home, Data Management, Query Management, Data Analysis, User Management, Account Settings, and Billing. The main content area features a 'Query Definition' section with filters for 'DBI', 'Table', and 'Time', and a 'Results' section with a 'Run Query' button. To the right is a 'Graph' showing a bar chart of 'Time (seconds)' for various queries. Below the graph is a table with columns A through J, containing data for rows 1 through 20. The table data is as follows:

	A	B	C	D	E	F	G	H	I	J
1	020000	00000000	000000	000000						
2	0010000000000000	1	100000	000000						
3	0010000000000000	2	200000	000000						
4	0010000000000000	3	300000	000000						
5	0010000000000000	4	400000	000000						
6	0010000000000000	5	500000	000000						
7	0010000000000000	6	600000	000000						
8	0010000000000000	7	700000	000000						
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

At the bottom of the interface, there are buttons for 'Run', 'Add Row', and 'Run Again'.



Custom Dashboard Page



Learning Center

The screenshot shows a web browser window with the URL `connect.driven4/cms`. The page features a dark blue sidebar on the left with a navigation menu containing the following items: Home, Data Management, Data Management, Data Analysis, User Management, Account Settings, and Billing. At the bottom of the sidebar is a "Logout" link. The main content area has a white background and includes a "DRIVEN-4" logo in the top left. In the top right corner, there is a "Welcome dongyu" message with a small profile picture. Below the logo, there is a search bar with the text "Filter by / All Content" and a blue "New Post" button. The main content area is divided into four white rectangular boxes with rounded corners: "Create Table", "Create API Key", "Querying", and "Video Example". The "Video Example" box contains a video player with a thumbnail image of a green field and the text "We are Michigan State University".



What's left to do?

- Stretch Goals
 - CMS formatting/deleting comments
 - Improving UI
 - Implement Breadcrumb navigation system
- Other Tasks
 - Testing
 - Bug fixing
 - Clean up
 - Documentation



Questions?

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