Alpha Presentation
DRIVEN-4 Connect Update and Upgrade
The Capstone Experience
Team DRIVEN-4
Byerly Andrew
Gidwani Rian
Patel Het
Pieters Flora
Zihao Qian
Department of Computer Science and Engineering
Michigan State University
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Project Overview

- Headquartered in Saint Joseph, Michigan
- Expertise includes PLM, IoT, and cybersecurity
- To develop an easy-to-use web application to talk to the database of their users, firmwares, and modules with the ability to perform data analysis on their table
System Architecture
Home Page for Company Users

```
Welcome dongyu
dongyu@dongyusdaily.com (admin)

Home
Device Information

<table>
<thead>
<tr>
<th>Facility Status: Inactive</th>
<th>Serial No.: WJUS9YH5P9PER944N</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IMEI: 310557120919440</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IT_office Status: Inactive</th>
<th>Serial No.: WFX9QRX9P9Q245XC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>IMEI: 3505571209544103</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Device Test Status: Inactive</th>
<th>Serial No.: None</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IMEI: 70111234</td>
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</table>

<table>
<thead>
<tr>
<th>Device Test Status: Active</th>
<th>Serial No.: None</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>IMEI: 8013217409-1827140</td>
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</table>

<table>
<thead>
<tr>
<th>Samsung Galaxy S21 Status: Inactive</th>
<th>Serial No.: None</th>
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<tbody>
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<td>IMEI: 901131234</td>
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</table>

<table>
<thead>
<tr>
<th>Samsung S24 Status: Inactive</th>
<th>Serial No.: None</th>
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<tr>
<td></td>
<td>IMEI: 1012444</td>
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Subscription Information

<table>
<thead>
<tr>
<th>Modules</th>
<th>Storage Usage</th>
<th>Billing Details</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Logout
```

The Capstone Experience

Team DRIVEN-4 Alpha Presentation
Device Management Page
Data Analysis Page

Welcome dongyu
dongyu@dongyusdairy.com (admin)

Create New Query

Enter Query Name

Available Data Sets

SS
- idEntry: int
- idModule: int
- IMEI: varchar(255)
- idEndpoint: int
- time: datetime
- dBs: int
- ModemTemp: decimal(10,2)

SS2
- idEntry: int
- idModule: int
- idEndpoint: int
- time: datetime
- temperature: decimal(10,2)
Payment Information Page

Payment Information

Payment Due

$15.00
Due Amount

31-08-2023
Due Date

Pay with Credit Card
What’s left to do?

• Data analysis page, make user experience simplified
• Update visual style to be consistent across application
• User can create custom database tables depending on input
• User management/administration
Questions?