

# Baby Feed

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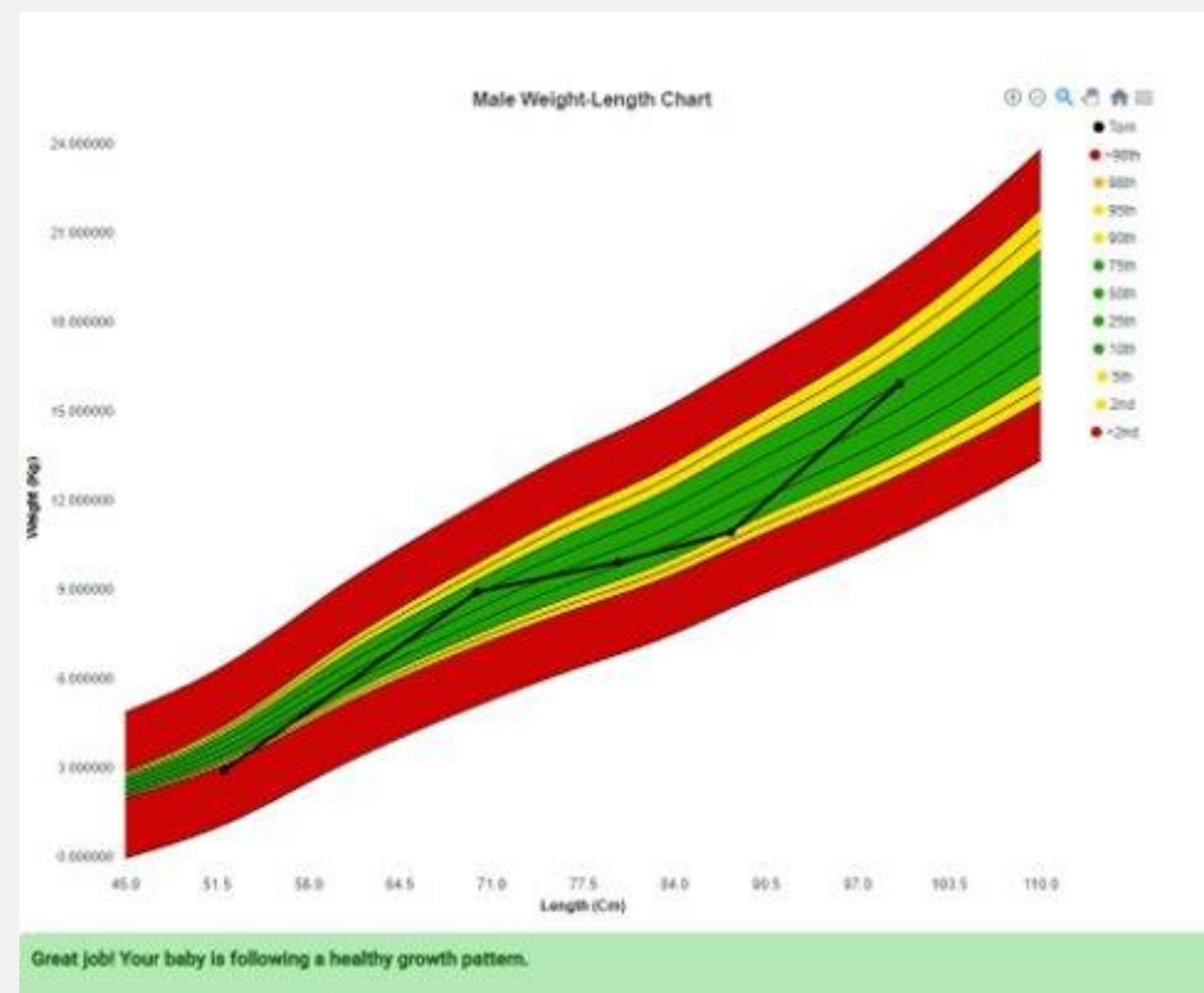
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### PROBLEM

Baby Feed is a website for clinicians, researchers, and parents, offering research-proven tools like FFQ and growth charts to monitor infant nutrition and ensure proper vitamin and mineral intake. This semester we addressed bug fixes in the Admin Portal, a redesign of the Research/Participant Portal, and the introduction of the new Diet Quality Index Score (DQIS) feature, along with downloadable DQIS results.

### SCREENSHOT



| Name  | Age | Height | Weight |
|-------|-----|--------|--------|
| Sarah | 1   | 52     | 3      |
| Sarah | 3   | 62     | 6      |
| Sarah | 5   | 72     | 10     |
| Sarah | 6   | 85     | 11     |
| Sarah | 7   | 96     | 16     |
| Tom   | 1   | 52     | 3      |
| Tom   | 3   | 65     | 9      |
| Tom   | 6   | 80     | 10     |
| Tom   | 7   | 88     | 11     |
| Tom   | 8   | 100    | 16     |

### CURRENT SYSTEM

During this semester, our group's primary focus for Baby Feed v12.0 was the implementation of the Diet Quality Index Score (DQIS) on the admin questionnaire results page and exporting its results. In addition, we dedicated efforts to address and resolve issues inherited from the previous group. One significant issue involved the growth chart not saving data, resulting in the graph and chart not displaying essential information.

Food Results

DQIS

Results

Delete

### DQIS

| Food Item        | Calculated Points |
|------------------|-------------------|
| Milk             | 2.50              |
| Whole Grains     | 0.00              |
| Refined Grains   | 0.00              |
| Proteins         | 2.50              |
| Vegetables       | 2.50              |
| Fruits           | 5.00              |
| 100% Juices      | 2.50              |
| Sugary Beverages | 5.00              |
| Sweets           | 5.00              |
| Salty Snacks     | 0.00              |
| Total Points     | 25                |

Ok

### REQUIREMENTS

1. Quality of life changes: added a loading bar, home button, etc.
2. Ensure that the growth chart successfully saves and displays data in the appropriate table.
3. Verify and ensure correctness of all calculation
4. Bug Fixes
5. Add DQIS feature to food results and enable exporting.

### IMPLEMENTATION



### SUMMARY

My main responsibility was to address existing bugs in Baby Feed's previous version, particularly focusing on the growth charts and database. Notably, the growth chart was unable to save data inputs, leading to display issues upon revisiting the page. Additionally, I played a vital role in developing the calculations for the DQIS feature.

### ACKNOWLEDGEMENT

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