



Knight Foundation School of Computing and Information Sciences

Summer 2023 Capstone II Project

Baby Feed

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PROBLEM

Baby Feed is an online application designed to aid in monitoring a child's nutrition and development.

The application aims to combat child obesity by providing parents with the knowledge necessary to help address nutritional deficiencies.

CURRENT SYSTEM

The website is comprised of a series of portals designed with a variety of users in mind, such as parents, clinicians, researchers, and more.

Questionnaires, tracking forms, nutrient profiles, and growth charts are among the many features available to users of the site.

REQUIREMENTS

- Implement necessary UI changes to various portals (adding a home button, loading bars, etc.)
- Implement a means to calculate a child's Diet Quality Index Score (DQIS) and display the information in the Admin portal
- Ensure that growth chart data is being saved successfully and displayed in the appropriate table
- Fix numerous bugs

SCREENSHOTS

Food Results

DQIS

Results

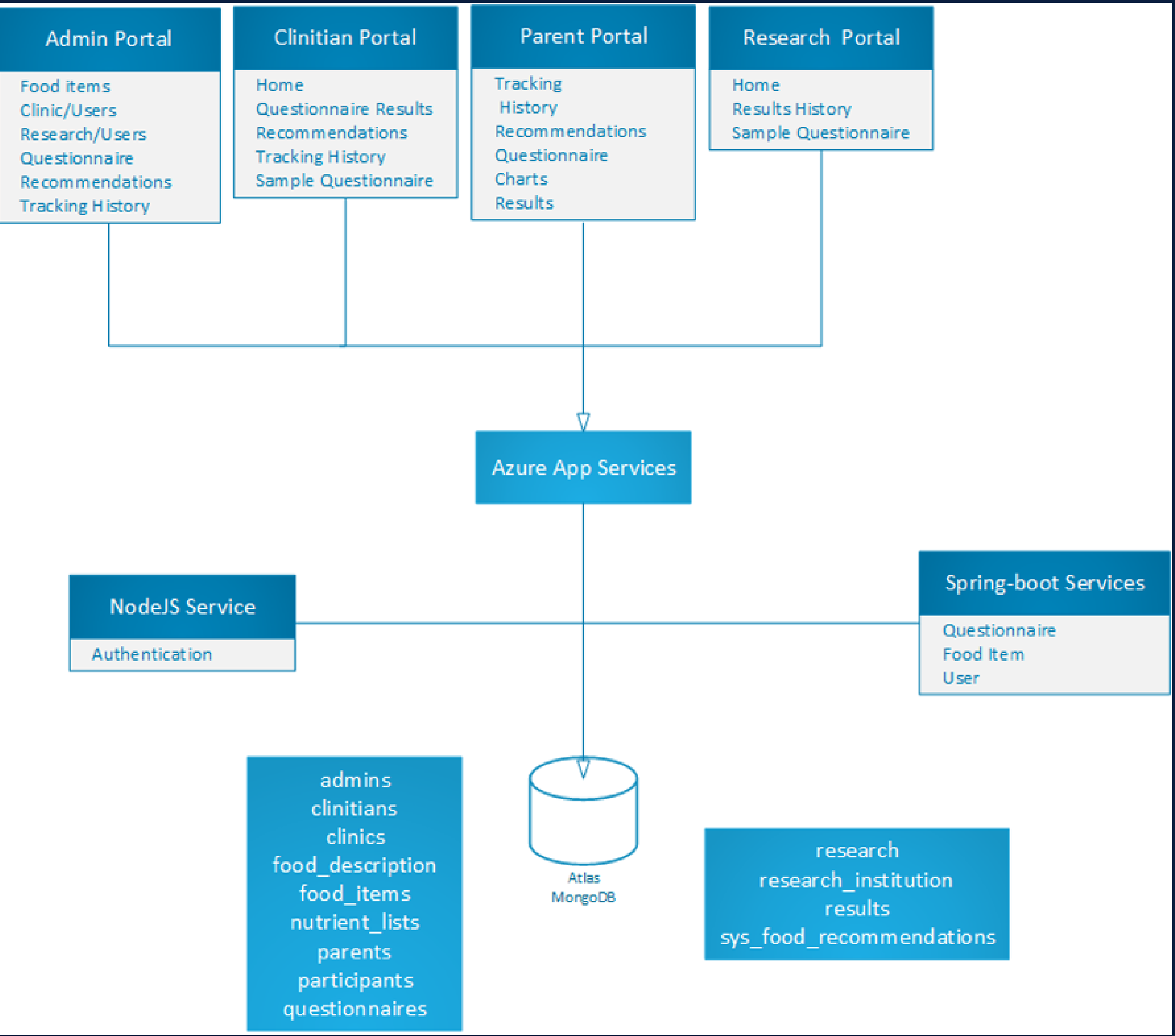
Delete

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

SYSTEM DESIGN



IMPLEMENTATION



SUMMARY

The dev team managed to successfully implement all the requirements laid out by the product owner.

As team lead, my contributions were varied in nature. I acted as liaison with the PO, was heavily involved with documentation, ensured everyone on the team stayed on task and had adequate resources to do their work, and contributed to the logic and implementation of the DQIS (our primary task).

ACKNOWLEDGEMENT

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