**Foods R US**

**An E-Commerce Website**

Designed and Developed By

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*Submitted as the group project for the course*

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Overview of data flow, architecture, key issues of design and phases of design progression. Describes any problems in design and any issues caused by previously flawed designs and their solutions.

ii. Implementation

Overview of any implementation issues, testing methods and limitations with respect to the implementation and shortcomings due to implementation.

iii. The Team

Overview of scheduled meeting times, how work was kept up to date and consistent, lessons learned from the group project. Member names and signatures and member contribution is outlined in this section.

iv. Output Samples

Sample P/Os and their location on disk and sample completed P/O reports and their location on disk are shown here.

v. The Source Code

i. Servlets

ii. Analytics

iii. jspx

iv. Filters

v. Model

Design

System Architecture and Dataflow (highly simplified)

links page to

Serves

Item

population

Links back to

Provides a filter attribute

User identification

Renames processed POs by adding a \* prefix

Serves

Main page

/efoods

Apache Tomcat Server

OAuth Server

Poreport\_#.xml

List<String> POs

Add an item

List<String> POs

Changes quantites

PO Report Directory

PO Directory

Viewable PO

Generates new PO

Order checkout by button press

Order confirmed by button press

Type class

Model Package:

Type class

Generates new PO

The model package is responsible for all calculations in the B2C module, it returns all results by contacting the Engine class.

Dark squares are abstracted and not directly modified. Lightly colored ovals call the Model Package (the Engine class in particular)), while the darker ovals in the middleware rely on their own methods where Report Generator (main method) references the Unionizer (singleton).

Design Key Issues

Design Decisions