

**COT 6931 Software Requirements Specification**



Food Giant Sales Flyer Generator

# Revision History

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| Revision # | Date | Changed Items |
| 1 | 02/26/2017 | Initial Document Creation |
| 2 | 03/04/2017 | Updated Requirement 2.2 from review with Stakeholder |
| 3 | 03/15/2017 | Fixed Layout and Grammatical issues |
| 4 | 03/25/2017 | Removed ASPX requirement in section 1.4 with generic flyer template wording. Added more details to section 2.2 |

# Overall Software Requirements

Food Giant requests that their district and store managers have the ability to generate flyers based on items they currently have in stock and print these items as a store flyer. They want the ability to add new items as they get them in stock. Also, the district managers want to be able to view all saved flyers.

# Software Requirements

## SRS001

Allow a district or store manager to connect to a server containing a user-driven program that will generate a custom Food Giant Flyer by selecting from a template type and from the current Food Giant inventory.

### Sub Requirement 1.1

Create a client-side Login Page to allow different user permissions for Store Managers and District Managers

#### Sub Requirement 1.1.1

The Login Page shall send the user’s name to rest of program so their actions can be recorded throughout the program. Important for requirement 1.3.1

### Sub Requirement 1.2

Create a user-driven Flyer Creator program to allow any manager to select from all existing Food Giant items to populate a store flyer template page

#### Sub Requirement 1.2.1

Flyer Creator Page should send data to a user-selected flyer template page

#### Sub Requirement 1.2.2

Flyer Creator Page should allow the user to preview existing flyer templates before creating a flyer

### Sub Requirement 1.3

All created flyers should auto save when the manager decides to save the flyer or print it, allowing a District Manager to view this flyer

#### Sub Requirement 1.3.1

Create a View Created Flyers Page to allow a District Manager to select from and view created Flyers

#### Sub Requirement 1.3.2

The View Created Flyers Page shall only be accessible by a District Manager

#### Sub Requirement 1.3.3

View Created Flyer Page should inform the district manager of which user created the Flyer and what date it was created

### Sub Requirement 1.4

Create a generic flyer template page that will take data entered from the Flyer Creator Page to populate items

#### Sub Requirement 1.4.1

Implement a simple print program that can print this complete flyer out to a printer or pdf file for future use.

## SRS002

The Food Giant Flyer Generator program shall use a SQL database

### Sub Requirement 2.1

The database must contain categorized Food Giant Inventory items containing a category, price and image name field with up to 1-3 associated image name(s)

### Sub Requirement 2.2

Database should keep list of saved Flyer pages and store data by user id. Links with Item 1.3.2.

### Sub Requirement 2.3

Database Interface class shall be created in order for all C# classes to send queries to the database. This class shall be the only way for these classes to communicate to the database

### Sub Requirement 2.4

Implement the functionality for a division manager or division manager’s assistant to add more items to the database

#### Sub Requirement 2.4.1

Create a user-driven Database Maintainer class that will simplify the process for a manager to add in new Food Giant Inventory items

#### Sub Requirement 2.4.2

The Database Maintainer class shall only be accessible by a District manager or District manager assistant.

#### Optional Requirement

Create a search program that could allow store managers to search the database for certain items instead of scrolling through the entire large list of items. (Database search should already exist so this may just be a small section in the user guide)

## SRS003

The Food Giant Flyer Generator program shall be Deployed to a server where the store managers, division managers and division manager’s assistants can run all previously mentioned functionality in the Food Giant Flyer Generator program

### Sub Requirement 3.1

Create a Server-side logic section that validates data sent from the client to the server. All communication from the client must be validated before any action is done in the program

### Sub Requirement 3.2

Verify program is accessible from any computer and handles invalid login information gracefully

### Sub Requirement 3.3

Create a list of mandatory client machine requirements required to connect to the server hosting the Food Giant Flyer Generator program

## SRS004

Create a User Guide for the Food Giant Flyer program

### Sub Requirement 4.1

User Guide must explain how to maintain and add items to database

### Sub Requirement 4.2

User Guide must explain how to create a flyer

### Sub Requirement 4.3

User Guide must explain how to add new templates

### Sub Requirement 4.4

User Guide must explain how to maintain source code

### Sub Requirement 4.5

User Guide must explain how to handle login credentials

# Terms of Reference

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| --- | --- |
| Term | Definition |
| ASP.NET | Active Server Pages |
| GUI | Graphical User Interface |
| MVVM | Model View View-Model |
| QA | Quality Assurance |
| SDD | Software Design Description |
| SPMP | Software Project Management Plan |
| SQL | Structured Query Language |
| SRS | Software Requirements Specifications |
| STD | Software Test Document |