

# Sprint 3 Plan

Online Retail Administration, Completion Date: Nov 7th

Goal: Refine the prototype with additional functionality and optimize the database. Create structures in the database to ensure data integrity (i.e. unique indexes, foreign keys with cascade delete, primary keys, etc)

User Story 1: As a developer, I need the product pictures organized in a way that it is useable by an automated system to create product profiles so that I can pick the image that displays by default on a product without database or code modification.

- Task 1: Collect test data (3)
- Task 2: Create image path index in database (5)
- Task 3: Create image-product association table in the database (5)
- Task 4: Display images in product add form with checkboxes to enable/disable them (7)

Total for User Story 1: 20 hours

User Story 2: As an online store manager I need to see my sales for the month/quarter/etc so I can understand how much product I have sold.

- Task 1: Generate sample sales data using previously input samples sales data as keys.(5)
- Task 2: Create query that tallies sales data by day/week/month/year in a specified date range.(2)
- Task 3: Write a function in python that calls this query and formats it in a way that can be accepted by high chart for display.(2)
- Task 4: Integrate the XML data sent from the aforementioned python function with the javascript used by high chart.(5)

Total for User Story: 14

User Story 3: As an online store operator, I need to be able to (modify) activate, deactivate, add and delete suppliers so that I can increase efficiency and profitability.

- Task 1: Create supplier form with buttons that allow for add/edit/delete, etc(3)
- Task 2: Write back end function that queries the database for suppliers and provides them in a dict to javascript(5)
- Task 3: Write backend function that receives data from the view signaling which supplier to delete and executes the sql query to remove the supplier from the database.(5)
- Task 4: Write the backend function that receives data from the view signaling which supplier to modify and executes the sql query to update the supplier table.(3)

Total for User Story: 16

User Story 4: As an online store operator, I need to be able to create, modify, and delete tags and associate tags with products and delete tag associations so that users can easily find products on the site.

- Task 1: Create sample data that can be used to populate the form used to implement this functionality. (3)
- Task 2: Create a tag creation form that can be used to create, modify, and delete tags.
- Task 3: Write tag creation, modification, and delete queries in T-SQL.(1)
- Task 4: Write the python functions that will call these SQL queries to perform the aforementioned functions. (7)
- Task 5: Write the SQL queries that will be used to insert and delete tag associations. (2)
- Task 6: Create a tag association creation form that can be used to create and delete tag associations.(4)
- Task 7: Create a python functions that will call the aforementioned queries. (8)

Total for User Story: 25

Team Roles:

Amir Shahinpour: P.O, Developer

Brian Jones: Developer

Victor Vahram Shahbazian: Developer

Bereket Haile: Developer Scrum master

Alan Duncan: Developer

Initial Task Assignments

**Amir Shahinpour:** User Story 2: Task 1: Generate sample sales data using previously input samples sales data as keys

**Brian Jones :** User Story 1: Task 3: Create image-product association table in the database

**Victor Vahram Shahbazian :** User Story 3: Task 1: Create supplier form with buttons that allow for add/edit/delete, etc

**Bereket Haile:** User Story 2: Task 2: Create query that tallies sales data by day/week/month/year in a specified date range

**Alan Duncan:** User Story 4: Task 1: Create sample data that can be used to populate the form used to implement this functionality.

Scrum Times:

Sunday 3pm

Tuesday 6pm

Thursday 6pm - TA meeting