

COSC 4P02 – Release Planning Report  
January 19, 2025  
Instructor: Naser Ezzati-Jivan

**Project Topic: PRJ3: Shop builder for social media Sellers**

GitHub: <https://github.com/benCombe/Shopimy>

Jira Board: <https://abishop.atlassian.net/jira/core/projects/C4GS/summary>

**If access is needed to view the Jira board please email Ashley.**

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## Introduction

This project aims to meet a hole in the e-commerce market, a hole that has been created by a growing online retail space that makes it difficult for new business owners to create and sell their products. Shopimy aims to meet new business owners in the middle, providing an application that is intuitive, user-friendly, and focused on the experience of creation and usage. This lightweight-focused shop application targets global markets that will allow for new growth and exposure for new business owners who may not have the ability to reach them. The main objective of this application is to allow small businesses and social media users to be able to interact with and create their own shops. This will include the availability of showcasing simply one item or a catalog of items for users to browse through. One of the key features of the application will be an analytics dashboard, that will highlight trends in the shop's market (popular items, least bought, most viewed, etc) the dashboard will include total revenue, the average cost of a purchase, and total orders. Unique links are another feature that the application will have, for both a shop and an item. Additionally, when an owner is in the customization portion of their setup, pre-set layouts of what their shop can look like will be available. The following document below outlines how we plan to implement these such features and more. Our user stories ensure customers' and shop owners' needs are met, our product backlog includes all tasks and relevant information pertaining to the application and the sprint backlogs outline which tasks will be tackled in each of the three sprints. With these backlogs, we hope to successfully implement Shopimy.

## User Stories

The following are the user stories that our team came up with, with the priority ranked from lowest, low, medium, high, highest in the priority column.

ID	Title	Description	Acceptance Criteria	Priority
C4GS-39	As a store owner, I want to be able to categorize my product(s)	A store owner will be able to categorize the item that they are listing to their store	Given a store owner has a valid listing, they can create or select a predefined category for their item	High
C4GS-44	As a store owner, I would like to add a description to my product listing	Once store owners have added a product to their store, they can then add a description of what it is they are selling to ensure clarity.	Given a valid item is listed, ta store owner should then be able to add a description	High

C4GS-45	as a store owner, I would like preset templates for how my store to look	This is to ensure that store owners have an added layer of customizability to make the store feel more like their own.	Given a store owner creates a shop and enters all data correctly, having preset templates available for them to use, the templates will provide a few different ways to present their products	Medium
C4GS-36	As a store owner, I want to be able to delete my store	This is so if a store owner no longer wants to be operational, they have the choice to shut down their store.	Given the user has selected they want to delete their account and has confirmed twice that this is the action they want, then the store will be removed.	Low
C4GS-34	As a shop owner, I want to be able to sell products/items	A store owner has products to sell, this makes it so they are able to do so.	Given the store owner has a valid store and credentials, and they have the necessary fields filled in for a listing, they may sell their product(s).	Highest
C4GS-30	As a store owner, I want to be able to create a store	This is so a store owner, can make their store so they can sell their product(s).	Given the store owner has valid credentials (such as a valid email address) they may create a store.	Highest
C4GS-20	As a store owner, I want to have specific timed release dates for my product(s)	When adding an item to their store, owners can select the dates which the product will appear in the store. They can set it to now/indefinitely.	Given a store owner has created a listing with all fields filled in correctly they can choose when the specific date and time of the product(s) can be released to the store.	Medium
C4GS-21	as a store owner, I want to be able to create the theme	Store owners will be able to set	Given a store owner has completed the	Medium

	and add logos/branding to my store	themes with some themes being presets. Included in setting a theme is adding custom logos.	steps successfully for creating a store, they can then customize their store with branding.	
C4GS-31	As a customer, I want to be able to create an account, to save payment information and delivery information	Customers will be able to login to different stores and use the saved payment feature to pay for items quicker.	Given a customer enters a valid email and it is confirmed they can create an account with shopimy and save payment information once it is validated and delivery information once it is validated as well.	Medium
C4GS-22	As a store owner, I want to be able to share my store with URLs that specify a specific focus of my store, store/category/item	Store owners will have URLs that will directly link to either store, category, or item.	Given a store is created, an item is listed, and the category valid, the URL created should be valid and based on the three.	Medium
C4GS-18	As a customer, I want to have different carts for whichever store I am currently shopping in	User will not be able to access carts from other stores	Given a customer's shop s on different Shopimy shops, each individual store will have its own cart, and users will not be able to access their carts from other shops.	Low
C4GS-37	As a store owner, I want to have social media integration and be able to send messages about my products	Store owners will be able to connect to Meta API to post about store and updates.	Given an owner has a shop, if they wish to integrate their social media accounts, they will have the option to do through after the correct validation of the social media account and the	Medium

			owner is made to ensure safely.	
C4GS-14	As a customer, I want to be able to add/remove items from my shopping cart	ShoppingCart class will contain a list of Items (also a class) that will persist indefinitely for users that have an account, but only for as long as the session for guest customers.	Given a customer has an active shopping cart at a shopimy store, they can chose to either add items or remove items from the cart, if valid items are available.	High
C4GS-40	As a store owner, I want to be upload photos of my product to a listing	Store owners will be able to add multiple photos of their products for customers to see.	Given a store owner, has a valid listing (product) photos may be uploaded if they meet the correct criteria.	High
C4GS-42	As a store owner, I want to be able to specify if there are variations of a product (sizing, colour, etc)	Store owners want to be able to do this to ensure they are an inclusive and welcoming environment and to provide options for customers so they can select what product suits them best.	Given a shop owner has made a listing, within the fields they can fill out about the listing, adding colour variation and sizing variation will be available.	Medium
C4GS-48	As a customer, I want to be able to create a wish list, or a favorites page of items and stores	Create a wishlist function that allows users to favorite products they are interested in and store their favorite items in the user database, a favorites page should also be located in the user's profiles that displays their favorited items.	Given the customer has a valid account with the store, they can then add favorite products to a wishlist that will be saved into their account	Low
C4GS-32	as a shop owner, I want to be able to send promotional	Shop owners will have access to a promotion control	Given the shop owner has a valid shop and email	Medium

	emails to customers that have favorited the store	page that will allow them to add/remove promotions (promo codes), and create email notices to their subscribers	address, they can send emails to customers that have liked their store.	
C4GS-35	As a store owner, I want to be able to view insights on the store ( trends, popularity, etc)	Shop owners will have access to an analytics dashboard which will entail trends, popularity and other vital insights to businesses	Given the store has had more than 1 purchase, an analytics board is available that will showcase trends and insights based on user behavior.	Low
C4GS-49	As a customer, I want a purchase history that I can view at any time of past purchases	customers will be able to view purchase history, to ensure they have access to orders, view tracking, or to reorder	Given the customer has made an account with the shop, and has made at least one purchase from the shop, they can view past purchases (history).	Medium
C4GS-43	As a store owner, I would like recommended items from my store to appear when viewing an item in my store	Stores will have their products recommended to customers that view their items, for higher engagement and to ensure their products are reaching the target audience.	Given a store owner has a valid shop, and has more than one listing on their storefront, when a customer views and item from their store they will be recommended other items from the same shop.	Medium
C4GS-41	As a customer, I want to be able to use the store without having to login to an account	This is to ensure accessibility and so customers do not need to have an account to buy products if they do not want to.	Given a customer has access to the internet and is browsing the store, the customer can view the shop and place an order without an account.	Medium
C4GS-17	As a customer, I want to be able to	This is to ensure ease of use for	Given a customer has at least one	

	purchase all the items in my shopping cart at once, using the same delivery and payment information	customers when making purchases.	item in their cart, they will be able to pay for the whole cart with same payment and delivery details as it will be applied to the whole cart	
C4GS-25	As a store owner, I want to put store wide promotions out on my products (promo codes)	Store owners can create custom promo codes which customers can apply at checkout	Given a store owner has a valid store, they can create promotion codes for them to distribute as they wish, they will be applied at the checkout of a customers payment	Medium
C4GS-46	As a store owner, I would like scrolling banners when previewing my products	This is to provide customers with ease of use of the shop owners shop.	Given a store owner, has a valid store, and listing of products, a preview on hover will be available	Low
C4GS-47	As a customer, I would like to be able to view different currencies when checking out the item in my cart	This is to ensure customers from different countries are able to purchase items from the store to be accessible.	Given a customer wants to pay in a currency that is accepted, viewing the available currencies will be availability	Low
C4GS-29	As a store owner, I want to update the stock of my products, whether it be in stock or out of stock	create a stock function that allows store owners to add a stock value to their product and have it saved in the product database, the stock value should be displayed on the product page and dynamically update with purchases.	Given a store owner has the stock to update their valid store, they can adjust the quantity or lack there of	Low
C4GS-38	As a store owner, I want to be able	This is to ensure that if store	Given a store owner has social	Medium



	to link my social media to the store	owners wants to promote specific items, promos, advertisement, etc they have easy access to do so.	media, and a valid store they can link their accounts together.	
C4GS-27	As a customer, I want to receive notifications when my favorite shops update	Create an email notification system that allows users to subscribe for notifications about products and stores. Create a function that allows Store owners to send a notification email to all subscribers. create buttons on product and store pages to subscribe for updates, create database field to store users subscribed to stores.	Given a customer has an account with the store, and has favorited the store, then they can receive email notifications if they have allowed for them	Low
C4GS-33	As a customer, I want to be able to view stores on various different devices	Create a mobile web version of the web pages that automatically scales to users' devices and test that it works with different devices and platforms	Given a customer has access to more than one device, they application is accessible through a responsive design	Medium
C4GS-26	As a customer, I want to be able to leave reviews and ratings on specific products and be able to view other users reviews	Customers want to be able to communicate with others about their satisfaction with the product(s)	Given a customer has an account with the shop, they are able to review products that they have previously bought to allow other customers to view what they think of the product.	High
C4GS-15	As a customer, I want to be able to see all the items in my shopping cart	Customers who have added items to their shopping cart should be able	Given a customer has at least one item added to their cart, they will be	High

		to have a screen to view it.	able to view it but clicking the cart button	
C4GS-24	As a store owner, I want to be able to add items and categories to my store	Create item adding form/GUI, create item class, create category class, create item table in database, add API to interact with database pertaining store modification.	Given a store owner has items to add, and a valid store, they can add these items and provide them with a category of their choosing to provide clarity	High
C4GS-23	As a store owner, I want to specify when products are removed from the store (date and time)	This ties with C4GS-20	Given a store owner has a valid store and the product is available on the shop, they can choose when the item is to be removed from the public eye.	
C4GS-28	As a customer I want to have my payment information saved into my account for easy future payments	This and C4GS-31 address the need for loyal customers to save their payment/delivery data, to avoid having to fill it out every time they want to make a purchase	Given a customer has an account with the specific shop, they can save payment information within their account for future use.	High

## Product Backlog

Task	Associated Story	Priority
When a store owner is signed in and viewing their shop, add a button to add a product/item. Prompt for the relevant category to place the item in.	C4GS-34: As a shop owner, I want to be able to sell products/items	Highest
When a user is signed in, create a button to create a store if one is not already created. Prompt for a necessary information needed, then create the store.	C4GS-30: As a shop owner, I want to be able to sell products/items	Highest
View Shopping Cart	C4GS-13: As a customer I want to have a shopping cart for whichever store I am shopping in	High

Code account creating functionality	C4GS-31: As a customer, I want to be able to create an account, to save payment information and delivery information	High
Create customer account table in database	C4GS-31: As a customer, I want to be able to create an account, to save payment information and delivery information	High
Able to remove items from shopping cart	C4GS-13: As a customer I want to have a shopping cart for whichever store I am shopping in	High
Save deliver and payment options	C4GS-13: As a customer I want to have a shopping cart for whichever store I am shopping in	High
As a store owner, I want to be able to add items and categories to my store	C4GS-19: As a store owner, I want to be able to create and customize my store for selling various physical and/or digital items	High
create services to manage this information using encryption	C4GS-28: This and C4GS-31 address the need for loyal customers to save their payment/delivery data, to avoid having to fill it out every time they want to make a purchase	High
Code adding of photos	C4GS-40: As a store owner, I want to be upload photos of my product to a listing	High
Create database table to store photos	C4GS-40: As a store owner, I want to be upload photos of my product to a listing	High
Create a description field then the owner can edit	C4GS-44: As a store owner, I would like to add a description to my product listing	High
Create mobile web version	C4GS-33: As a customer, I want to be able to view stores on various different devices	High
Create front end assets for banners	C4GS-46: As a store owner, I would like scrolling banners when previewing my products	Medium
Implement image storage for banners on backend	C4GS-46: As a store owner, I would like scrolling banners when previewing my products	Medium
Implement front end assets for switching currencies	C4GS-47: As a customer, I would like to be able to view different currencies when checking out the item in my cart	Medium

Implement currencies conversions on backend	C4GS-47: As a customer, I would like to be able to view different currencies when checking out the item in my cart	Medium
Create a stock field in the database	C4GS-29: As a store owner, I want to update the stock of my products, whether it be in stock or out of stock	Medium
Create manage stock function in store management page	C4GS-29: As a store owner, I want to update the stock of my products, whether it be in stock or out of stock	Medium
Test stock function	C4GS-29: As a store owner, I want to update the stock of my products, whether it be in stock or out of stock	Medium
Create notification emailer	C4GS-27: As a customer, I want to receive notifications when my favorite shops update	Medium
Create send notification function	C4GS-27: As a customer, I want to receive notifications when my favorite shops update	Medium
Test notification emailer	C4GS-27: As a customer, I want to receive notifications when my favorite shops update	Medium
Create subscribe to notifications button	C4GS-27: As a customer, I want to receive notifications when my favorite shops update	Medium
Create favorite button	C4GS-48: As a customer, I want to be able to create a wish list, or favorites page of items and stores	Medium
Create favorites field for user accounts	C4GS-48: As a customer, I want to be able to create a wish list, or favorites page of items and stores	Medium
Design a favorites page	C4GS-48: As a customer, I want to be able to create a wish list, or favorites page of items and stores	Medium
Test favorite function	C4GS-48: As a customer, I want to be able to create a wish list, or favorites page of items and stores	Medium
Identify all data sources required for generating insights (e.g., sales data, inventory levels,	C4GS-35: As a store owner, I want to be able to view insights	Medium

customer data) and map how they will be integrated.	on the store (trends, popularity, etc)	
Update or optimize the database schema to efficiently store and retrieve data needed for insights, including indexing and normalization as necessary.	C4GS-35: As a store owner, I want to be able to view insights on the store (trends, popularity, etc)	Medium
Create backend services to aggregate and process data for various insights, ensuring data accuracy and consistency.	C4GS-35: As a store owner, I want to be able to view insights on the store (trends, popularity, etc)	Medium
Develop secure API endpoints that deliver the aggregated insights data to the frontend.	C4GS-35: As a store owner, I want to be able to view insights on the store (trends, popularity, etc)	Medium
Integrate the frontend with backend APIs and implement data visualization components (charts, graphs, tables).	C4GS-35: As a store owner, I want to be able to view insights on the store (trends, popularity, etc)	Medium
Ensure that only authorized store owners can access the insights dashboard, implementing role-based access controls as needed.	C4GS-35: As a store owner, I want to be able to view insights on the store (trends, popularity, etc)	Medium
Conduct thorough testing including unit tests, integration tests, and user acceptance testing to ensure the functionality, accuracy, and security of the insights feature.	C4GS-35: As a store owner, I want to be able to view insights on the store (trends, popularity, etc)	Medium
When a store owner is signed in, inside of a settings tab create a delete store button. When it is clicked a second button should appear confirming their selection.	C4GS-36: As a store owner, I want to be able to delete my store	Medium
Create testing	C4GS-37: As a store owner, I want to have social media integration and be able to send messages about my products	Medium
Codding message sending functionality	C4GS-37: As a store owner, I want to have social media integration and be able to send messages about my products	Medium
Coding Meta API connection	C4GS-37: As a store owner, I want to have social media integration and be able to send messages about my products	Medium
UI for creating a post	C4GS-37: As a store owner, I want to have social media integration and be able to send messages about my products	Medium

UI for adding social media	C4GS-37: As a store owner, I want to have social media integration and be able to send messages about my products	Medium
Create UI for creating account	C4GS-31: As a customer, I want to be able to create an account, to save payment information and delivery information	Medium
Create testing for functionality	C4GS-31: As a customer, I want to be able to create an account, to save payment information and delivery information	Medium
Code save payment and delivery	C4GS-31: As a customer, I want to be able to create an account, to save payment information and delivery information	Medium
Design display for saving payment and delivery	C4GS-31: As a customer, I want to be able to create an account, to save payment information and delivery information	Medium
Add optional product release date input into item creation form	C4GS-20: As a store owner, I want to have specific timed-release dates for my product(s)	Medium
Add start and end times of product availability to item class	C4GS-20: As a store owner, I want to have specific timed-release dates for my product(s)	Medium
test mobile web version	C4GS-33: As a customer, I want to be able to view stores on various different devices	Medium
Implement description storage on the backend	C4GS-44: As a store owner, I would like to add a description to my product listing	Medium
Create testing of adding photos	C4GS-40: As a store owner, I want to be upload photos of my product to a listing	Medium
add security measures	C4GS-28: This and C4GS-31 address the need for loyal customers to save their payment/delivery data, to avoid having to fill it out every time they want to make a purchase	Medium
add a payment information table	C4GS-28: This and C4GS-31 address the need for loyal customers to save their payment/delivery data, to avoid having to fill it out every time they want to make a purchase	Medium
create a review service/controller in frontend and backend to fetch reviews for a product, and calculate average rating, etc.	C4GS-26: As a customer, I want to be able to leave reviews and ratings on specific products and be able to view other users reviews	Medium

Add a reviews table to the data base to store all reviews by store-name/product id	C4GS-26: As a customer, I want to be able to leave reviews and ratings on specific products and be able to view other users reviews	Medium
as a store owner, I want to be able to create the theme and add logos/branding to my store	C4GS-19: As a store owner, I want to be able to create and customize my store for selling various physical and/or digital items	Medium
As a store owner, I want to be able to share my store with URLs that specify a specific focus of my store, store/category/item	C4GS-19: As a store owner, I want to be able to create and customize my store for selling various physical and/or digital items	Medium
Ties with C4GS-20	C4GS-23: As a store owner, I want to specify when products are removed from the store (date and time)	Medium
create a promo code creation page/form	C4GS-25: As a store owner, I want to put store wide promotions out on my products (promo codes)	Medium
add a promo code table to the database	C4GS-25: As a store owner, I want to put store wide promotions out on my products (promo codes)	Medium
Create social media buttons	C4GS-38: As a store owner, I want to be able to link my social media to the store	Medium
Test Social media buttons	C4GS-38: As a store owner, I want to be able to link my social media to the store	Medium
Create social media verification function	C4GS-38: As a store owner, I want to be able to link my social media to the store	Medium
Add the option for the store owner to enable up to two sets of radio buttons	C4GS-42: As a store owner, I want to be able to specify if there are variations of a product (sizing, colour, etc)	Medium
If a set of radio buttons are enabled for a product make them editable by the store owner	C4GS-42: As a store owner, I want to be able to specify if there are variations of a product (sizing, colour, etc)	Medium
Create front end templates assets	C4GS-45: As a store owner, I would like to preset templates for how my store looks	Medium
Implement the backend storage of templates	C4GS-45: As a store owner, I would like to preset templates for how my store looks	Medium

Create promotion page that will allow store users to send emails to their subscribers	C4GS-32: As a shop owner, I want to be able to send promotional emails to customers that have favorited the store	Medium
Add an email subscription option to account registration and checkout pages	C4GS-32: As a shop owner, I want to be able to send promotional emails to customers that have favorited the store	Medium
Design Purchase History UI/UX. Create wireframes and design the user interface for the purchase history section ensuring it is user-friendly and responsive.	C4GS-49: As a customer, I want a purchase history that I can view at any time of past purchases	Medium
Ensure the database has the necessary tables/fields to store and retrieve purchase history data efficiently.	C4GS-49: As a customer, I want a purchase history that I can view at any time of past purchases	Medium
Create an API endpoint to fetch the customer's purchase history securely.	C4GS-49: As a customer, I want a purchase history that I can view at any time of past purchases	Medium
Ensure that only authenticated users can access their own purchase history data.	C4GS-49: As a customer, I want a purchase history that I can view at any time of past purchases	Medium
Connect the frontend application to the backend API to display the purchase history data dynamically.	C4GS-49: As a customer, I want a purchase history that I can view at any time of past purchases	Medium
Perform unit testing, integration testing, and user acceptance testing to ensure functionality and security.	C4GS-49: As a customer, I want a purchase history that I can view at any time of past purchases	Medium
Decide on the recommendation algorithms to be used (e.g., collaborative filtering, content-based filtering, hybrid methods) and outline the logic for item selection.	C4GS-43: As a store owner, I would like recommended items from my store to appear when viewing an item in my store	Medium
Identify and prepare the necessary data sources, such as purchase history, product metadata, and user interactions, ensuring data quality and consistency.	C4GS-43: As a store owner, I would like recommended items from my store to appear when viewing an item in my store	Medium
Implement the chosen recommendation algorithms, possibly leveraging machine learning libraries or third-party services, to generate relevant item suggestions.	C4GS-43: As a store owner, I would like recommended items from my store to appear when viewing an item in my store	Medium



Create secure and efficient API endpoints that deliver recommended items based on the current item being viewed.	C4GS-43: As a store owner, I would like recommended items from my store to appear when viewing an item in my store	Medium
Design and implement the user interface components to display recommended items on the product detail page, ensuring they are visually appealing and non-intrusive.	C4GS-43: As a store owner, I would like recommended items from my store to appear when viewing an item in my store	Medium
Allow store owners to customize recommendation settings, such as the number of recommendations, types of recommendations, and placement on the page.	C4GS-43: As a store owner, I would like recommended items from my store to appear when viewing an item in my store	Medium
Conduct unit testing, integration testing, and A/B testing to ensure the recommendations are accurate, relevant, and do not negatively impact page performance.	C4GS-43: As a store owner, I would like recommended items from my store to appear when viewing an item in my store	Medium
Develop the backend and frontend components that allow users to make purchases without creating an account, including collecting necessary information (e.g., shipping address, payment details).	C4GS-41: As a customer, I want to be able to use the store without having to login to an account.	Medium
Ensure that order data from guest users is stored securely and can be retrieved if the user decides to create an account later or needs support.	C4GS-41: As a customer, I want to be able to use the store without having to login to an account.	Medium
Implement session handling to maintain guest user state during their visit, including cart persistence and temporary data storage.	C4GS-41: As a customer, I want to be able to use the store without having to login to an account.	Medium
Update existing APIs to handle requests from both authenticated and guest users, ensuring proper data validation and processing.	C4GS-41: As a customer, I want to be able to use the store without having to login to an account.	Medium
Conduct comprehensive testing, including unit tests, integration tests, and user acceptance testing, to ensure that guest functionality works seamlessly and securely.	C4GS-41: As a customer, I want to be able to use the store without having to login to an account.	Medium
Have a different cart per Shopimy store	C4GS-13: As a customer I want to have a shopping cart for	Low

	whichever store I am shopping in	
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## Sprint Backlogs

Sprint	Tasks
Sprint One: Jan 20 – Feb 23, 2025	<ul style="list-style-type: none"> <li>• Create Comprehensive README</li> <li>• Release Planning Report</li> <li>• Progress Report One</li> <li>• ERD for database</li> <li>• UML diagrams</li> <li>• Structure github</li> <li>• Design landing page</li> <li>• Design profile page</li> <li>• Design shop creation page(s)</li> <li>• Design menu creations</li> <li>• Set up routing</li> <li>• Regarding user Story: C4GS-30 (epic) <ul style="list-style-type: none"> <li>○ As a customer, I want to be able to see all the items in my shopping cart</li> <li>○ As a customer, I want to have different carts for whichever store I am currently shopping in</li> <li>○ As a customer, I want to be able to add/remove items from my shopping cart</li> <li>○ As a customer, I want to be able to purchase all the items in my shopping cart at once, using the same delivery and payment information</li> </ul> </li> <li>• Regarding User Story C4GS-30 <ul style="list-style-type: none"> <li>○ When a user is signed in, create a button to create a store if one is not already created. Prompt for a necessary information needed, then create the store.</li> </ul> </li> <li>• Regarding User Story: C4GS-34</li> </ul>

	<ul style="list-style-type: none"> <li>○ When a store owner is signed in and viewing their shop, add a button to add a product/item. Prompt for the relevant category to place the item in.</li> <li>• Regarding user Story: C4GS-36 <ul style="list-style-type: none"> <li>○ When a store owner is signed in, inside of a settings tab create a delete store button. When it is clicked a second button should appear confirming their selection.</li> </ul> </li> <li>• Regarding User Story: C4GS-45 <ul style="list-style-type: none"> <li>○ Create front end template assets</li> <li>○ Implement the backend storage of templates</li> </ul> </li> <li>• Regarding user Story: CSGS-44 <ul style="list-style-type: none"> <li>○ Create description field then the owner can edit</li> <li>○ Implement description storage on the backend</li> </ul> </li> </ul>
Sprint Two: Feb 24 – March 23, 2025	<ul style="list-style-type: none"> <li>• Progress Report Two</li> <li>• Regarding User Story: C4GS-19 <ul style="list-style-type: none"> <li>○ US: C4GS-24</li> <li>○ US: C4GS-21</li> <li>○ US: C4GS-22</li> </ul> </li> <li>• Regarding User Story: C4GS-31 <ul style="list-style-type: none"> <li>○ Code account creating functionality</li> <li>○ Create customer account table in database</li> <li>○ Create UI for creating account</li> <li>○ Create testing for functionality</li> <li>○ Code save payment and delivery</li> <li>○ Design display for saving payment and delivery</li> </ul> </li> <li>• Regarding User Story: C4GS-19 <ul style="list-style-type: none"> <li>○ US: C4GS-24</li> <li>○ US: C4GS-21</li> <li>○ US: C4GS-22</li> </ul> </li> <li>• Regarding User Story: C4GS-13 <ul style="list-style-type: none"> <li>○ Add/ remove items to the cart</li> <li>○ View shopping cart</li> <li>○ Have a different cart per Shopimy store</li> </ul> </li> <li>• Regarding User Story: C4GS-37 <ul style="list-style-type: none"> <li>○ Create testing</li> <li>○ Coding message sending functionality</li> <li>○ Coding Meta API connection</li> <li>○ UI for creating a post</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>○ UI for adding social media</li> <li>• Regarding User Story: C4GS-40 <ul style="list-style-type: none"> <li>○ Code adding of photos</li> <li>○ Create testing of adding photos</li> <li>○ Create database table to store photos</li> </ul> </li> <li>• Regarding User Story: C4GS-42 <ul style="list-style-type: none"> <li>○ Add the option for the store owner to enable up to two sets of radio buttons.</li> <li>○ If a set of radio buttons are enabled for a product make them editable by the store owner.</li> </ul> </li> <li>• Regarding User Story: C4GS-42 <ul style="list-style-type: none"> <li>○ Create favorite button</li> <li>○ Create a favorites field for user accounts</li> <li>○ Design a favorites page</li> <li>○ Test favorite function</li> </ul> </li> <li>• Regarding User Story: C4GS-32 <ul style="list-style-type: none"> <li>○ Create a promotion page that will allow you users to send emails to their subscribers.</li> <li>○ Add an email subscription option to account registration and checkout pages</li> </ul> </li> <li>• Regarding User Story: C4GS-35 <ul style="list-style-type: none"> <li>○ Identify all data sources required for generating insights (e.g., sales data, inventory levels, customer data) and map how they will be integrated.</li> <li>○ Update or optimize the database schema to efficiently store and retrieve data needed for insights, including indexing and normalization as necessary.</li> <li>○ Create backend services to aggregate and process data for various insights, ensuring data accuracy and consistency.</li> <li>○ Develop secure API endpoints that deliver the aggregated insights data to the frontend.</li> <li>○ Integrate the frontend with backend APIs and implement data visualization components (charts, graphs, tables).</li> <li>○ Ensure that only authorized store owners can access the insights dashboard, implementing role-based access controls as needed.</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>○ Conduct thorough testing including unit tests, integration tests, and user acceptance testing to ensure the functionality, accuracy, and security of the insights feature.</li> <li>● Regarding User Story: C4GS-49 <ul style="list-style-type: none"> <li>○ Design Purchase History UI/UX. Create wireframes and design the user interface for the purchase history section ensuring it is user-friendly and responsive</li> <li>○ Ensure the database has the necessary tables/fields to store and retrieve purchase history data efficiently.</li> <li>○ Create an API endpoint to fetch the customer's purchase history securely.</li> <li>○ Ensure that only authenticated users can access their own purchase history data.</li> <li>○ Connect the frontend application to the backend API to display the purchase history data dynamically.</li> <li>○ Perform unit testing, integration testing, and user acceptance testing to ensure functionality and security.</li> </ul> </li> <li>● Regarding User Story: C4GS-43 <ul style="list-style-type: none"> <li>○ Decide on the recommendation algorithms to be used (e.g., collaborative filtering, content-based filtering, hybrid methods) and outline the logic for item selection.</li> <li>○ Identify and prepare the necessary data sources, such as purchase history, product metadata, and user interactions, ensuring data quality and consistency.</li> <li>○ Implement the chosen recommendation algorithms, possibly leveraging machine learning libraries or third-party services, to generate relevant item suggestions.</li> <li>○ Create secure and efficient API endpoints that deliver recommended items based on the current item being viewed.</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>○ Design and implement the user interface components to display recommended items on the product detail page, ensuring they are visually appealing and non-intrusive.</li> <li>○ Allow store owners to customize recommendation settings, such as the number of recommendations, types of recommendations, and placement on the page.</li> <li>○ Conduct unit testing, integration testing, and A/B testing to ensure the recommendations are accurate, relevant, and do not negatively impact page performance.</li> <li>• Regarding User Story: C4GS-41 <ul style="list-style-type: none"> <li>○ Develop the backend and frontend components that allow users to make purchases without creating an account, including collecting necessary information (e.g., shipping address, payment details).</li> <li>○ Ensure that order data from guest users is stored securely and can be retrieved if the user decides to create an account later or needs support.</li> <li>○ Implement session handling to maintain guest user state during their visit, including cart persistence and temporary data storage.</li> <li>○ Update existing APIs to handle requests from both authenticated and guest users, ensuring proper data validation and processing.</li> <li>○ Conduct comprehensive testing, including unit tests, integration tests, and user acceptance testing, to ensure that guest functionality works seamlessly and securely.</li> </ul> </li> <li>• Regarding User Story: C4GS-20 <ul style="list-style-type: none"> <li>○ Add optional product release date input into Item creation form</li> <li>○ Add start and end times of product availability to Item class</li> </ul> </li> </ul>
Sprint Three: March 24 – April 14, 2025	<ul style="list-style-type: none"> <li>• Final Report</li> <li>• Create Mobile webpage</li> </ul>

	<ul style="list-style-type: none"> <li>• Testing Stage</li> <li>• Create mobile webpage</li> <li>• Regarding User Story: C4GS-25 <ul style="list-style-type: none"> <li>○ create a promo code creation page/form</li> <li>○ add a promo code table to the database</li> </ul> </li> <li>• Regarding User Story: C4GS-46 <ul style="list-style-type: none"> <li>○ Create front end assets for banners</li> <li>○ Implement image storage for banners on backend</li> </ul> </li> <li>• Regarding User Story: C4GS-47 <ul style="list-style-type: none"> <li>○ Implement front end assets for switching currencies</li> <li>○ Implement currencies conversions on backend</li> </ul> </li> <li>• Regarding User Story: C4GS-29 <ul style="list-style-type: none"> <li>○ Create a stock field in the database</li> <li>○ Create manage stock function in store management page</li> <li>○ Test stock function</li> </ul> </li> <li>• Regarding User Story: C4GS-38 <ul style="list-style-type: none"> <li>○ Create social media buttons</li> <li>○ Test Social media buttons</li> <li>○ Create social media verification function</li> </ul> </li> <li>• Regarding User Story: C4GS-27 <ul style="list-style-type: none"> <li>○ Create notification emailer</li> <li>○ create send notification function</li> <li>○ test notification emailer</li> <li>○ Create subscribe to notifications button</li> </ul> </li> <li>• Regarding User Story: C4GS-33 <ul style="list-style-type: none"> <li>○ create mobile web version</li> <li>○ test mobile web version</li> </ul> </li> <li>• Regarding User Story: C4GS-26 <ul style="list-style-type: none"> <li>○ create a review service/controller in frontend and backend to fetch reviews for a product, and calculate average rating, etc.</li> <li>○ Add a reviews table to the data base to store all reviews by store-name/product id</li> </ul> </li> </ul>
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## Tool Screenshots

Our team is using Jira for task management

The following screenshots are for the user stories:

**COSC\_4P02\_G7\_shopimy**

Summary Board List Calendar Timeline Approvals Forms Pages Attachments Issues Reports Archived Issues Shortcuts +

Search list AB AS BC BD +3 Share 1 filter

<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	Assignee	Due date	Priority
<input type="checkbox"/>	■	C4GS-13 C4GS-15	As a customer, I want to be able to see all the items in my sh...	TO DO	SprintOne			↑
<input type="checkbox"/>	■	C4GS-20	As a store owner, I want to have specific timed release dates ...	SPRINT 2	SprintOne	BC Ben Combe		=
<input type="checkbox"/>	■	C4GS-19 C4GS-24	As a store owner, I want to be able to add items and categori...	TO DO	SprintOne			↑
<input type="checkbox"/>	■	C4GS-19 C4GS-21	as a store owner, I want to be able to create the theme and a...	SPRINT 2	SprintOne			=
<input type="checkbox"/>	■	C4GS-23	As a store owner, I want to specify when products are remov...	TO DO	SprintOne	BC Ben Combe		=
<input type="checkbox"/>	■	C4GS-19 C4GS-22	As a store owner, I want to be able to share my store with UR...	SPRINT 2	SprintOne			=
<input type="checkbox"/>	■	C4GS-13 C4GS-18	As a customer, I want to have different carts for whichever st...	SPRINT 2	SprintOne			↓
<input type="checkbox"/>	■	C4GS-13 C4GS-14	As a customer, I want to be able to add/remove items from ...	SPRINT 2	SprintOne			↑
<input type="checkbox"/>	■	C4GS-13 C4GS-17	As a customer, I want to be able to purchase all the items in ...	SPRINT 2	SprintOne			↑
<input type="checkbox"/>	■	C4GS-25	As a store owner, I want to put store wide promotions out o...	SPRINT 3	SprintThree	BC Ben Combe		=
<input type="checkbox"/>	■	C4GS-46	As a store owner, I would like scrolling banners when previe...	SPRINT 3	SprintThree	B Braden		↓
<input type="checkbox"/>	■	C4GS-47	As a customer, I would like to be able to view different curre...	SPRINT 3	SprintThree	B Braden		↓
<input type="checkbox"/>	■	C4GS-29	As a store owner, I want to update the stock of my products. ...	SPRINT 3	SprintThree	Spencer Ing		↓
<input type="checkbox"/>	■	C4GS-38	As a store owner, I want to be able to link my social media to...	SPRINT 3	SprintThree	Spencer Ing		=
<input type="checkbox"/>	■	C4GS-27	As a customer, I want to receive notifications when my favori...	SPRINT 3	SprintThree	Spencer Ing		↓

**COSC\_4P02\_G7\_shopimy**

Summary Board List Calendar Timeline Approvals Forms Pages Attachments Issues Reports Archived Issues Shortcuts +

Search list AB AS BC BD +3 Share 1 filter

<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	Assignee	Due date	Priority
<input type="checkbox"/>	■	C4GS-33	As a customer, I want to be able to view stores on various dif...	SPRINT 3	SprintThree	Spencer Ing		=
<input type="checkbox"/>	■	C4GS-26	As a customer, I want to be able to leave reviews and ratings ...	SPRINT 3	SprintThree	BC Ben Combe		↑
<input type="checkbox"/>	■	C4GS-28	As a customer I want to have my payment information saved...	TO DO		BC Ben Combe		↑
<input type="checkbox"/>	■	C4GS-31	As a customer, I want to be able to create an account, to sav...	SPRINT 2		AS Adam Shariff		=
<input type="checkbox"/>	■	C4GS-37	As a store owner, I want to have social media integration and...	SPRINT 2		AS Adam Shariff		=
<input type="checkbox"/>	■	C4GS-40	As a store owner, I want to be upload photos of my product ...	SPRINT 2		AS Adam Shariff		↑
<input type="checkbox"/>	■	C4GS-42	As a store owner, I want to be able to specify if there are vari...	SPRINT 2		B Braden		=
<input type="checkbox"/>	■	C4GS-44	As a store owner, I would like to add a description to my pro...	SPRINT 1		B Braden		↑
<input type="checkbox"/>	■	C4GS-45	As a store owner, I would like preset templates for how my st...	SPRINT 1		B Braden		=
<input type="checkbox"/>	■	C4GS-48	As a customer, I want to be able to created a wish list, or a fa...	SPRINT 2		Spencer Ing		↓
<input type="checkbox"/>	■	C4GS-32	as a shop owner, I want to be able to send promotional emai...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>	■	C4GS-35	As a store owner, I want to be able to able to view insights o...	SPRINT 2		BD Ben DeH		↓
<input type="checkbox"/>	■	C4GS-49	As a customer, I want a purchase history that I can view at an...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>	■	C4GS-43	As a store owner, I would like recommended items from my ...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>	■	C4GS-41	As a customer, I want to be able to use the store without hav...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>	■	C4GS-36	As a store owner, I want to be able to delete my store	SPRINT 1		SP Steven Putter		↓
<input type="checkbox"/>	■	C4GS-34	As a shop owner, i want to be able to sell products/items	SPRINT 1		SP Steven Putter		↑
<input type="checkbox"/>	■	C4GS-30	As a store owner, I want to be able to create a store	SPRINT 1		SP Steven Putter		↑

The Sprint backlogs are as follows:

Sprint One backlog of tasks and user stories



**COSC\_4P02\_G7\_shopimpy**

Summary Board List Calendar Timeline Approvals Forms Pages Attachments Issues Reports Archived Issues Shortcuts +

Search list AB AS BC BD +3 Share 2 filters

<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	Assignee	Due date	Priority
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-9	Comprehensive README	SPRINT 1	SprintOne	AB Ashley Bishop	Feb 16, 2025	=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-8	Release Planning Report	SPRINT 1	SprintOne	AB Ashley Bishop	Jan 19, 2025	^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-4	Progress Report One	SPRINT 1	SprintOne	AB Ashley Bishop	Feb 23, 2025	^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-50	ERD for database	SPRINT 1	SprintOne	AS Adam Shariff		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-51	UML diagrams	SPRINT 1	SprintOne	AB Ashley Bishop		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-10	Add license doc to git	SPRINT 1	SprintOne	BC Ben Combe	Jan 19, 2025	=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-11	Fix Structure of git	SPRINT 1	SprintOne	BC Ben Combe	Jan 19, 2025	=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-52	Design Landing Page	SPRINT 1	SprintOne	AB Ashley Bishop		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-53	Design Profile Page	SPRINT 1	SprintOne	AB Ashley Bishop		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-54	Design Shop creation Page(s)	SPRINT 1	SprintOne	AB Ashley Bishop		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-55	Design Menu Creations	SPRINT 1	SprintOne	AB Ashley Bishop		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-56	Set Up Routing	SPRINT 1	SprintOne	BC Ben Combe	Feb 16, 2025	^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-13	As a customer, I want to have a shopping cart for whichever ...	SPRINT 1	SprintOne	AS Adam Shariff		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-13	As a customer, I want to have a shopping cart for whichever ...	SPRINT 1	SprintOne	AS Adam Shariff		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-44	As a store owner, I would like to add a description to my pro...	SPRINT 1		B Braden		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-45	As a store owner, I would like preset templates for how my st...	SPRINT 1		B Braden		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-36	As a store owner, I want to be able to delete my store	SPRINT 1		SP Steven Putter		v
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-34	As a shop owner, I want to be able to sell products/items	SPRINT 1		SP Steven Putter		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-30	As a store owner, I want to be able to create a store	SPRINT 1		SP Steven Putter		^

Sprint Two user stories and tasks

COSC_4P02_G7_shopimy								
<div> <div>Summary</div> <div>Board</div> <div>List</div> <div>Calendar</div> <div>Timeline</div> <div>Approvals</div> <div>Forms</div> <div>Pages</div> <div>Attachments</div> <div>Issues</div> <div>Reports</div> <div>Archived Issues</div> <div>Shortcuts</div> <div></div> </div> <div> <div>Search list</div> <div> <div>AB</div> <div>AS</div> <div>BC</div> <div>BD</div> <div>+3</div> <div></div> </div> <div>Share</div> <div>1 filter</div> </div>								
<input type="checkbox"/>	Type	# Key	Summary	Status	Category	Assignee	Due date	Priority
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-5	Progress Report Two	SPRINT 2	SprintTwo	AB Ashley Bishop	Mar 23, 2025	↑
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-20	As a store owner, I want to have specific timed release dates ...	SPRINT 2		BC Ben Combe		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-19 C4GS-21	as a store owner, I want to be able to create the theme and a...	SPRINT 2				=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-31	As a customer, I want to be able to create an account, to sav...	SPRINT 2		AS Adam Shariff		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-19 C4GS-22	As a store owner, I want to be able to share my store with UR...	SPRINT 2				=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-13 C4GS-18	As a customer, I want to have different carts for whichever st...	SPRINT 2				↓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-19	As a store owner, I want to be able to create and customize ...	SPRINT 2		AS Adam Shariff		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-37	As a store owner, I want to have social media integration and...	SPRINT 2		AS Adam Shariff		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-13 C4GS-14	As a customer, I want to be able to add/remove items from ...	SPRINT 2				↑
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-40	As a store owner, I want to be upload photos of my product ...	SPRINT 2		AS Adam Shariff		↑
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-42	As a store owner, I want to be able to specify if there are vari...	SPRINT 2		B Braden		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-48	As a customer, I want to be able to created a wish list, or a fa...	SPRINT 2		Spencer Ing		↓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-32	as a shop owner, I want to be able to send promotional emai...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-35	As a store owner, I want to be able to able to view insights o...	SPRINT 2		BD Ben DeH		↓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-49	As a customer, I want a purchase history that I can view at an...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-43	As a store owner, I would like recommended items from my ...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-41	As a customer, I want to be able to use the store without hav...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-13 C4GS-17	As a customer, I want to be able to purchase all the items in ...	SPRINT 2				↑

## Sprint Three user stories and tasks

COSC_4P02_G7_shopimy								
<div> <div>Summary</div> <div>Board</div> <div>List</div> <div>Calendar</div> <div>Timeline</div> <div>Approvals</div> <div>Forms</div> <div>Pages</div> <div>Attachments</div> <div>Issues</div> <div>Reports</div> <div>Archived Issues</div> <div>Shortcuts</div> <div></div> </div> <div> <div>Search list</div> <div> <div>AB</div> <div>AS</div> <div>BC</div> <div>BD</div> <div>+3</div> <div></div> </div> <div>Share</div> <div>1 filter</div> </div>								
<input type="checkbox"/>	Type	# Key	Summary	Status	Category	Assignee	Due date	Priority
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-6	Final Report	SPRINT 3	SprintThree	AB Ashley Bishop	Apr 14, 2025	↑
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-25	As a store owner, I want to put store wide promotions out o...	SPRINT 3	SprintThree	BC Ben Combe		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-46	As a store owner, I would like scrolling banners when previe...	SPRINT 3	SprintThree	B Braden		↓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-47	As a customer, I would like to be able to view different curre...	SPRINT 3	SprintThree	B Braden		↓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-29	As a store owner, I want to update the stock of my products ...	SPRINT 3	SprintThree	Spencer Ing		↓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-38	As a store owner, I want to be able to link my social media to...	SPRINT 3	SprintThree	Spencer Ing		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-27	As a customer, I want to receive notifications when my favori...	SPRINT 3	SprintThree	Spencer Ing		↓
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-33	As a customer, I want to be able to view stores on various dif...	SPRINT 3	SprintThree	Spencer Ing		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-26	As a customer, I want to be able to leave reviews and ratings ...	SPRINT 3	SprintThree	BC Ben Combe		↑
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-89	create mobile webpage	SPRINT 3				=

The product backlog is as follows this includes user stories, tasks and subtask for each of the user stories:

- It should be noted that in the type column, the icon signifies the type of task the item is.
  - The blue checkmark is a task
  - The green bookmark is a user story
  - The blue icon that has "< >" is a subtask

- The blue icon with a hollow circle and a colored square on top is a subtask of a user story or task

**COSC\_4P02\_G7\_shopimy**

Summary Board List Calendar Timeline Approvals Forms Pages Attachments Issues Reports Archived Issues Shortcuts

Search list

	Type	# Key	Summary	Status	Category	Assignee	Due date	Priority
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-9	Comprehensive README	SPRINT 1	SprintOne	AB Ashley Bishop	Feb 16, 2025	=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-8	Release Planning Report	SPRINT 1	SprintOne	AB Ashley Bishop	Jan 19, 2025	^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-4	Progress Report One	SPRINT 1	SprintOne	AB Ashley Bishop	Feb 23, 2025	^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-7	Project Proposal	DONE	SprintOne	AB Ashley Bishop	Jan 12, 2025	^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-23	As a store owner, I want to specify when products are remov...	TO DO	SprintOne	BC Ben Combe		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-50	ERD for database	SPRINT 1	SprintOne	AS Adam Shariff		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-51	UML diagrams	SPRINT 1	SprintOne	AB Ashley Bishop		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-10	Add license doc to git	SPRINT 1	SprintOne	BC Ben Combe	Jan 19, 2025	=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-11	Fix Structure of git	SPRINT 1	SprintOne	BC Ben Combe	Jan 19, 2025	=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-52	Design Landing Page	SPRINT 1	SprintOne	AB Ashley Bishop		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-119	Brain storm ideas	TO DO				=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-120	Create figma version of the rough work	TO DO				=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-53	Design Profile Page	SPRINT 1	SprintOne	AB Ashley Bishop		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-54	Design Shop creation Page(s)	SPRINT 1	SprintOne	AB Ashley Bishop		^
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-55	Design Menu Creations	SPRINT 1	SprintOne	AB Ashley Bishop		^

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<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-116	Implement image storage for banners on backend	TO DO				=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-47	As a customer, I would like to be able to view different curre...	SPRINT 3	SprintThree	B Braden		v
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-75	Implement front end assets for switching currencies	TO DO				=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-76	Implement currencies conversions on backend	TO DO				=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-29	As a store owner, I want to update the stock of my products, ...	SPRINT 3	SprintThree	Spencer Ing		v
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-92	Create a stock field in the database	TO DO		Spencer Ing		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-93	Create manage stock function in store management page	TO DO		Spencer Ing		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-94	Test stock function	TO DO		Spencer Ing		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-38	As a store owner, I want to be able to link my social media to...	SPRINT 3	SprintThree	Spencer Ing		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-95	Create social media buttons	TO DO		Spencer Ing		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-100	Test Social media buttons	TO DO		Spencer Ing		=
<input type="checkbox"/>	<input checked="" type="checkbox"/>	C4GS-101	Create social media verification function	TO DO		Spencer Ing		=

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<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	Assignee	Due date	Priority
<input type="checkbox"/>	▼	C4GS-27	As a customer, I want to receive notifications when my favori...	SPRINT 3	SprintThree	Spencer Ing		▼
<input type="checkbox"/>		C4GS-102	Create notification emailer	TO DO		Spencer Ing		=
<input type="checkbox"/>		C4GS-103	create send notification function	TO DO		Spencer Ing		=
<input type="checkbox"/>		C4GS-104	test notification emailer	TO DO		Spencer Ing		=
<input type="checkbox"/>		C4GS-105	Create subscribe to notifications button	TO DO		Spencer Ing		=
<input type="checkbox"/>	▼	C4GS-33	As a customer, I want to be able to view stores on various dif...	SPRINT 3	SprintThree	Spencer Ing		=
<input type="checkbox"/>		C4GS-106	create mobile web version	TO DO		Spencer Ing		^
<input type="checkbox"/>		C4GS-107	test mobile web version	TO DO		Spencer Ing		=
<input type="checkbox"/>	▶	C4GS-26	As a customer, I want to be able to leave reviews and ratings ...	SPRINT 3	SprintThree	Ben Combe		^
<input type="checkbox"/>	✓	C4GS-5	Progress Report Two	SPRINT 2	SprintTwo	Ashley Bishop	Mar 23, 2025	^
<input type="checkbox"/>	▼	C4GS-20	As a store owner, I want to have specific timed release dates ...	SPRINT 2		Ben Combe		=
<input type="checkbox"/>		C4GS-108	Add optional product release date input into Item creation f...	TO DO				=
<input type="checkbox"/>		C4GS-65	Add start and end times of product availability to Item class	TO DO				=

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




















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<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	Assignee	Due date	Priority
<input type="checkbox"/>	▼	C4GS-28	As a customer I want to have my payment information saved...	TO DO		Ben Combe		^
<input type="checkbox"/>		C4GS-115	create services to manage this information using encryption	TO DO				^
<input type="checkbox"/>		C4GS-114	add security measures	TO DO				=
<input type="checkbox"/>		C4GS-113	add a payment information table	TO DO				=
<input type="checkbox"/>	▼	C4GS-31	As a customer, I want to be able to create an account, to sav...	SPRINT 2		Adam Shariff		=
<input type="checkbox"/>		C4GS-138	Code account creating functionality	TO DO				^
<input type="checkbox"/>		C4GS-137	Create customer account table in database	TO DO				^
<input type="checkbox"/>		C4GS-136	Create UI for creating account	TO DO				=
<input type="checkbox"/>		C4GS-124	Create testing for functionality	TO DO				=
<input type="checkbox"/>		C4GS-123	Code save payment and delivery	TO DO				=
<input type="checkbox"/>		C4GS-122	Design display for saving payment and delivery	TO DO				=
<input type="checkbox"/>	▼	C4GS-19	As a store owner, I want to be able to create and customize ...	SPRINT 2		Adam Shariff		=
<input type="checkbox"/>	▶	C4GS-24	As a store owner, I want to be able to add items and categori...	TO DO	SprintOne			^
<input type="checkbox"/>	▶	C4GS-21	as a store owner, I want to be able to create the theme and a...	SPRINT 2				=
<input type="checkbox"/>	▶	C4GS-22	As a store owner, I want to be able to share my store with UR...	SPRINT 2				=

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

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











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<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	@ Assignee	Due date	Priority
<input type="checkbox"/>	▼ 	C4GS-37	As a store owner, I want to have social media integration and...	SPRINT 2		 Adam Shariff		=
<input type="checkbox"/>		C4GS-147	Create testing	TO DO				=
<input type="checkbox"/>		C4GS-145	Coding message sending functionality	TO DO				=
<input type="checkbox"/>		C4GS-144	Coding Meta API connection	TO DO				=
<input type="checkbox"/>		C4GS-143	UI for creating a post	TO DO				=
<input type="checkbox"/>		C4GS-142	UI for adding social media	TO DO				=
<input type="checkbox"/>	▼ 	C4GS-40	As a store owner, I want to be upload photos of my product ...	SPRINT 2		 Adam Shariff		^
<input type="checkbox"/>		C4GS-152	Code adding of photos	TO DO				^
<input type="checkbox"/>		C4GS-151	Create testing of adding photos	TO DO				=
<input type="checkbox"/>		C4GS-150	Create database table to store photos	TO DO				^
<input type="checkbox"/>		C4GS-149	Design UI for adding photos	TO DO				=
<input type="checkbox"/>	▼ 	C4GS-42	As a store owner, I want to be able to specify if there are vari...	SPRINT 2		 Braden		=
<input type="checkbox"/>		C4GS-71	Add the option for the store owner to enable up to two sets ...	TO DO				=
<input type="checkbox"/>		C4GS-77	If a set of radio buttons are enabled for a product make the...	TO DO				=

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<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	@ Assignee	Due date	Priority
<input type="checkbox"/>	▼ 	C4GS-44	As a store owner, I would like to add a description to my pro...	SPRINT 1		 Braden		^
<input type="checkbox"/>		C4GS-72	Create a description field then the owner can edit	TO DO				^
<input type="checkbox"/>		C4GS-118	Implement description storage on the backend	TO DO				=
<input type="checkbox"/>	▼ 	C4GS-45	As a store owner, I would like preset templates for how my st...	SPRINT 1		 Braden		=
<input type="checkbox"/>		C4GS-73	Create front end template assets	TO DO				=
<input type="checkbox"/>		C4GS-117	Implment the backend storage of templates	TO DO				=
<input type="checkbox"/>		C4GS-89	create mobile webpage	SPRINT 3				=
<input type="checkbox"/>	▼ 	C4GS-48	As a customer, I want to be able to created a wish list, or a fa...	SPRINT 2		 Spencer Ing		~
<input type="checkbox"/>		C4GS-96	Create favorite button	TO DO		 Spencer Ing		=
<input type="checkbox"/>		C4GS-97	Create a favorites field for user accounts	TO DO		 Spencer Ing		=
<input type="checkbox"/>		C4GS-98	Design a favorites page	TO DO		 Spencer Ing		=
<input type="checkbox"/>		C4GS-99	Test favorite function	TO DO		 Spencer Ing		=

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<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	@ Assignee	Due date	Priority
<input type="checkbox"/>	▼	C4GS-32	As a shop owner, I want to be able to send promotional email...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>		C4GS-166	Create a promotion page that will allow you users to send e...	TO DO				=
<input type="checkbox"/>		C4GS-165	Add an email subscription option to account registration and...	TO DO				=
<input type="checkbox"/>	▼	C4GS-35	As a store owner, I want to be able to view insights on the st...	SPRINT 2		BD Ben DeH		▼
<input type="checkbox"/>		C4GS-173	Identify all data sources required for generating insights (e.g....	TO DO				=
<input type="checkbox"/>		C4GS-174	Update or optimize the database schema to efficiently store ...	TO DO				=
<input type="checkbox"/>		C4GS-175	Create backend services to aggregate and process data for v...	TO DO				=
<input type="checkbox"/>		C4GS-176	Develop secure API endpoints that deliver the aggregated in...	TO DO				=
<input type="checkbox"/>		C4GS-177	Integrate the frontend with backend APIs and implement dat...	TO DO				=
<input type="checkbox"/>		C4GS-178	Ensure that only authorized store owners can access the insi...	TO DO				=
<input type="checkbox"/>		C4GS-179	Conduct thorough testing including unit tests, integration te...	TO DO				=

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<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	@ Assignee	Due date	Priority
<input type="checkbox"/>	▼	C4GS-49	As a customer, I want a purchase history that I can view at an...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>		C4GS-167	Design Purchase History UI/UX. Create wireframes and desig...	TO DO				=
<input type="checkbox"/>		C4GS-168	Ensure the database has the necessary tables/fields to store ...	TO DO				=
<input type="checkbox"/>		C4GS-169	Create an API endpoint to fetch the customer's purchase hist...	TO DO				=
<input type="checkbox"/>		C4GS-170	Ensure that only authenticated users can access their own pu...	TO DO				=
<input type="checkbox"/>		C4GS-171	Connect the frontend application to the backend API to displ...	TO DO				=
<input type="checkbox"/>		C4GS-172	Perform unit testing, integration testing, and user acceptanc...	TO DO				=
<input type="checkbox"/>	▼	C4GS-43	As a store owner, I would like recommended items from my ...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>		C4GS-180	Decide on the recommendation algorithms to be used (e.g. ...	TO DO				=
<input type="checkbox"/>		C4GS-181	Identify and prepare the necessary data sources, such as pur...	TO DO				=
<input type="checkbox"/>		C4GS-182	Implement the chosen recommendation algorithms, possibly...	TO DO				=
<input type="checkbox"/>		C4GS-183	Create secure and efficient API endpoints that deliver recom...	TO DO				=
<input type="checkbox"/>		C4GS-184	Design and implement the user interface components to dis...	TO DO				=
<input type="checkbox"/>		C4GS-185	Allow store owners to customize recommendation settings, s...	TO DO				=
<input type="checkbox"/>		C4GS-186	Conduct unit testing, integration testing, and A/B testing to ...	TO DO				=

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<input type="checkbox"/>	Type	# Key	Summary	Status	Category ↑	Assignee	Due date	Priority
<input type="checkbox"/>		C4GS-184	Design and implement the user interface components to dis...	TO DO				=
<input type="checkbox"/>		C4GS-185	Allow store owners to customize recommendation settings, s...	TO DO				=
<input type="checkbox"/>		C4GS-186	Conduct unit testing, integration testing, and A/B testing to ...	TO DO				=
<input type="checkbox"/>	▼	C4GS-41	As a customer, I want to be able to use the store without hav...	SPRINT 2		BD Ben DeH		=
<input type="checkbox"/>		C4GS-187	Develop the backend and frontend components that allow u...	TO DO				=
<input type="checkbox"/>		C4GS-188	Ensure that order data from guest users is stored securely an...	TO DO				=
<input type="checkbox"/>		C4GS-189	Implement session handling to maintain guest user state dur...	TO DO				=
<input type="checkbox"/>		C4GS-190	Update existing APIs to handle requests from both authentic...	TO DO				=
<input type="checkbox"/>		C4GS-191	Conduct comprehensive testing, including unit tests, integrat...	TO DO				=
<input type="checkbox"/>	▼	C4GS-36	As a store owner, I want to be able to delete my store	SPRINT 1		SP Steven Putter		▼
<input type="checkbox"/>		C4GS-70	When a store owner is signed in, inside of a settings tab crea...	TO DO				=
<input type="checkbox"/>	▼	C4GS-34	As a shop owner, I want to be able to sell products/items	SPRINT 1		SP Steven Putter		⬆
<input type="checkbox"/>		C4GS-69	When a store owner is signed in and viewing their shop, add ...	TO DO				⬆
<input type="checkbox"/>	▼	C4GS-30	As a store owner, I want to be able to create a store	SPRINT 1		SP Steven Putter		⬆
<input type="checkbox"/>		C4GS-68	When a user is signed in, create a button to create a store if ...	TO DO				⬆

## Team Contribution

All members attended scrum meetings\* and contributed to discussion

- It should be mentioned that steven missed two meetings, both however were okayed by the team due to specific circumstances.

Team Member	Contribution
Ben Combe	Created tasks for assigned user stories, aided in inputting backlog in jira, lead scrum meetings, created general sprint outlines
Ashley Bishop	Created Jira board, Inputted backlog/user stories into the board, wrote release planning report, wrote meeting minutes, edited jira tasks
Adam Shariff	Created tasks for assigned user stories, aided in fixing jira issues, created user stories
Ben DeHooqe	Created tasks for assigned user stories, created user stories
Spencer Ing	Created tasks for assigned user stories, created user story spreadsheet, created user stories
Steven Putter	Created tasks for assigned user stories, created user stories
Braden Lucas	Created tasks for assigned user stories, created user stories

## Challenges and Next Steps

Some challenges faced during the release planning stage were deciding within the scope of the project what should be included in the application in terms of how much customizability owners have over their layouts, colour palette, banners etc. Deciding this was a point of discussion. Another challenge we faced was introducing Jira into our project and allowing members to become familiar with the software and how it worked, how to edit, and miscellaneous difficulties with the software. Additionally, based on the predefined project how much of it we were required to implement, with our group eventually agreeing that we would change the project slightly to meet our needs better. The next phase of the project is sprint one, in this sprint we will be designing what each of the pages of the application will look like, designing the database, and starting to implement the base models and components for the project, this will include completing the tasks outlined above for our first sprint, see above or view the Jira board.

## Appendices

### Meeting Notes

jan 13 2024 -> meeting

#### Attendees

Ben C, Ashley, Ben D, Adam, Spencer, Braden

\*Steven was not present as he was just recently accepted into the group during our meeting.

#### Goals:

discuss the release planning report

#### Notes:

Discusses the structure of what should be in each sprint, ben presented a document of a rough outline of the various sprints. With us concluding that we will follow the outline. The group also discussed some of the tasks for the week, this being the front end team coming up with some figma designs to present to the group, followed up with Spencer and Adam looking into APIs that we can use throughout the rest of our project. We also discussed User stories for our next meeting it was agreed upon that everyone would come up with some user stories for the release planning report, and we will discuss and review them all next meeting. There was a discussion of the various views that the application will have available, such as customer us shop owner view, vs if you have an account or don't have an account with the application.

#### ROUGH OUTLINE OVERVIEW - presented by Ben

First Sprint

Structure of the project

Database set up

Class and component structure

#### Second Sprint

Key Features to implement

#### Third Sprint

User Experience insurance

Final Testing

Next Meeting: jan 15 2025

Discuss user stories that everyone created

Review Figma designs

Discuss Release Meeting with TA



jan 15 2025 -> Meeting

Attendees

Ben C, Ashley, Adam, Braden, Spencer, Steven, Ben D

Goals:

Discuss the user stories we wish to include and the sprint structures general structure

Notes:

Meeting began with discussing the scope of what the project should entail, the group discussed various different defining features of what stores should look like and how much customizability the shop owner can have over their layout. Some of the points we encountered were

- Does a store owner have more than one store, or can they → No
- Discussed the types of social media integration we want to include with the shop → Concluded that Instagram and Facebook would be our main integrations, this will be done through API's and ensuring we some sort of 2FA to ensure the correct people are using the correct accounts
- Discussed the class structure briefly and what we need to include for them for both the front and backend discussed the schema for our database and when to start setting up models and classes for our front end components
- Should be we a light and dark mode available dependent on the users settings? → yes
- Discussed blobs for the database
- Discussed if customers have to have an account in order to use the site? Agreed this should not be the case, it should be optional
- Shopping Cart → Agreed that one store has one cart, there will be cookies or tickets that will expire for each session - future research
- Discussed what the URLs should look like → ex we came up with - shopimy/store/nameofcat/item
- Discussed navigation → what are the necessities of it and how should it be functioning
- 

User stories were next on our list to discuss for this meeting, everyone was tasked last meeting to come up with their own stories, to which they were then shared in this document and revised together as a group. Ashley and Ben were tasked with adding them into the Jira Board (backlog) that was made by Ashley before the release planning meeting with our TA.

next meeting:

discuss what TA said

Finalize what is happening in each sprint

finalize backlog

Assign Tasks to members

jan 17 2025

Attendees:

Ashley, Ben C, Adam, Braden, Spencer, Ben D

\*Steven was not able to attend, it was discussed and agreed upon by the group that this was ok beforehand for this meeting.

Goals:

- discuss what TA said
- Finalize what is happening in each sprint
- finalize backlog

Notes:

Discussed what our TA mentioned in our meeting and how we can implement what she said to better our project better. We discussed goals for next week and who will be doing what it was decided that we will begin designing what the UI for the application will look like next week with Ashley, Ben D and Braden taking charge on that. Additionally, Classes and models will also begin to be discussed and handled by Ben C, Adam and Spencer. Additionally the group discussed the stories that were implemented onto the Jira board, and what type of story point evaluation system we will be using. Additionally the group looked at fixing the structure of the Jira board and explained topics that members had concerns about. The meeting ended with tasks for each of the stories delegated and everyone having to implement subtasks into the Jira board for the release planning report for Ashley to write the report.

Next Meeting:

- discuss Design
- discuss task