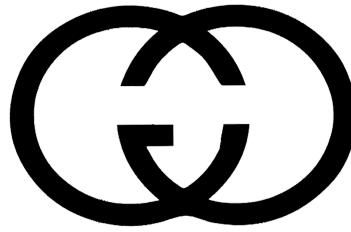


CONGO



Team 16 - Sprint 3 Planning Document

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Sprint Overview

During Sprint 2, we finished the majority of the functionality for merchants and for regular customers. The main goal of this sprint is to refine the functionality for merchants and customers, making for a more enjoyable shopping experience. We will be adding features to both of these sides. Additionally, we will be implementing the admin side of this site, which will be only be able to be accessed by us, the site owners.

SCRUM Master: Ashwin Mahesh

Meeting Plan: Monday 4:30-6:30 PM, Thursday 4:30-6:30 PM, Friday 7:00-9:00 PM,
Sunday 2:00-4:00 PM

Risks and Challenges:

One of the big challenges we faced in our last sprint was the growing size of our project. There are now multiple developers coding on each page, which increases our need for comments and clearer communication. With this sprint, our code will be getting even larger so this will be even more important.

Current Sprint Detail

User Story 1: As an congo admin, I would like to approve merchants

Task Number	Description	Time	Task Owner
1	Create UI that allows the admin to view all new merchant requests	3	Rohith
2	Once admin accepts request, change the merchant state to an active state	2	Rohith
3	Send an email to the merchant, confirming admin has approve and can begin selling products.	2	Rohith
4	Unit Test	3	Rohith

Acceptance Criteria:

- A UI where a congo admin, can view all the applications of new merchant. Can also view all the information in the registration form.
- A button that the admin click to accept the request of a new merchant. This will tell the database, that the merchant is in an active state and can begin selling products.
- Once the merchant is in an active state, an automated email will be sent to the merchant, with their new license number to log in and further instructions on how to proceed.
- Make sure that the merchant can't log into their account, until they have been approved by an admin.

User Story 2: As an congo admin, I would like to reject merchants

Task Number	Description	Time	Task Owner
1	Create UI that allows the admin to view all new merchant requests	3	Rohith
2	Once admin rejects request, change the merchant state to an inactive state	2	Rohith
3	Send an email to the merchant	2	Rohith
4	Unit Test	3	Rohith

Acceptance Criteria:

- A UI where a congo admin, can view all the applications of new merchant. Can also view all the information in the registration form.
- A button that the admin clicks to reject the request of a new merchant. This will tell the database, and delete that specific new merchant request.
- An automated email will be sent to the merchant notifying that their request has been denied with the reason why.
- Make sure that the merchant can't log into their account, until they have been approved by an admin.

User Story 3: As a congo admin, I would like to be able to login to a site admin page.

Task Number	Description	Time	Task Owner
1	Validate login	3	Kenny
2	Store admin login in session	3	Kenny
3	Unit tests - incorrect password, attempt limits	3	Kenny

Acceptance Criteria:

- Given that the user wants to log into the admin account, the user needs to input their login credentials and have it be validated.
- Given that the user login credentials have been validated, we need to store this instance of the time session in MongoDB for future reference.
- Given that the unit test makes sure this is working functionally, we will test this use case using different mocked Congo accounts

User Story 4:As an congo admin, I would like to see overall site statistics

Task Number	Description	Time	Task Owner
1	Build UI	3	Ashwin
2	Fetch all Necessary Information from Database	3	Ashwin
3	Display on front-end with all necessary visuals	3	Ashwin
4	Unit Test -	1	Ashwin

Acceptance Criteria:

- Given that a user is logged in as an Admin, they should be able to view a specific page on the admin portal for the overall site statistics
- Given that the admin is on the page, they should be able to view all the desired information, in a clear and concise manner
- Given that the admin views the information, all of it should be correct, which will be tested with our unit tests

User Story 5: As a congo customer member , I would like leave reviews on products I have purchased.

Task Number	Description	Time	Task Owner
1	Create UI for displaying reviews in product page	2	Kenny
2	Once Congo customer adds review, add review of the product to database	4	Kenny
3	Populate onto the product UI for reviews instantly	3	Kenny
4	Unit Test	3	Kenny

Acceptance Criteria:

- Given that the user is on the product page, the user must input the review in the review section.
- Given that the user clicks "submit review", the review gets added to the product's database.
- Given that the review isn't empty, display the review with merchant information in the review section.
- Given that the tasks are completed successfully, add checks to make sure the review isn't empty and store all the information in the database.

User Story 6: As a congo merchant, I would like a merchant page with my statistics

Task Number	Description	Time	Task Owner
1	Develop front-end UI	3	Ashwin
2	Fetch all relevant information from database	3	Ashwin
3	Display information on UI with all necessary visuals	3	Ashwin
4	Unit Test	1	Ashwin

Acceptance Criteria:

- Given that the user is logged in as a merchant, they should be able to access the page to view all of their statistics
- Given that the merchant is on the page, they should be able to view all the desired information, in a clear and concise manner
- Given that the merchant views the information, all of it should be correct, which will be tested with our unit tests

User Story 7: As a congo customer Stream member , I would like to receive discounts on select products.

Task Number	Description	Time	Task Owner
1	Select up to 5 random products from each category	3	Raman
2	Calculate discounted price by subtracting a fixed percentage from each product	3	Raman
3	Change product price in database for discounted products	3	Raman
5	Unit Test - Display original and discounted price on discounted products	4	Raman

Acceptance Criteria:

- Given that the user has already been validated as a Stream member, the member should receive discounts on certain products from each category
- Given that the user is a Stream member, when certain product pages will display the original and discounted price
- Given that a merchant is selling a product, they should have an option to select whether the product can be discounted for Stream members

User Story 8: As a congo customer Stream member , I would like to receive expedited shipping

Task Number	Description	Time (hours)	Task Owner
1	Get payment info from user	3	Raman
2	Send information to Stripe API	3	Raman
3	If valid, set account to Stream member	3	Raman
4	Else, report error to user	3	Raman
5	Unit Test - Display correct expected shipping date and grant user Stream membership	3	Raman

Acceptance Criteria:

- Given that the user is on the homepage, there should be a button to become a Stream member in the header.
- Given that the user has entered their credit card information, it should be successfully sent to Stripe.
- Given that the user has been validated as a Stream member, there should be a homepage message that the user has become a Stream member.
- Given that the user is a Congo Stream member, there will be expedited shipping on all products they add to their cart.

User Story 9: As a Congo customer member , I would like to view my recommended products.

Task Number	Description	Time (hours)	Task Owner
1	Retrieve up the most recently purchased products from database	3	Kenny
2	Find most popular category type of those products without those already purchased products	3	Kenny
3	Display products in database with specific category type on specific page	3	Kenny
4	Unit test - Display correct recommended products on homepage and product page	4	Kenny

Acceptance Criteria:

- Given the Congo customer user is on the homepage, it should show a page that displays recommended products based on previously purchased products.
- Given the user navigates to the product page, it should also fetch the recommended products from the database to be displayed here.
- Given that we are able to fetch the products from the database, our unit test will test the functionality of this use case and make sure it is presented in a readable fashion.

User Story 10: As a congo customer member , I would like to redeem a Congo gift card.

Task Number	Description	Time (hours)	Task Owner
1	Get gift card information from user	2.5	Spencer
2	Validate gift card information with database	2.5	Spencer
3	If success, credit congo member with correct amount	2.5	Spencer
4	If unsuccessful, show the user an error	2.5	Spencer
5	Unit test	3	Spencer

Acceptance Criteria:

- Given that the user has purchased a congo gift card, they should be able to easily and clearly input their gift card info.
- Given that the user has inputted their gift card information, it should be successfully validated by the backend.
- Given that the transaction was successful, report to the user that their gift card purchase was a success and give them congo credit in the database.
- Given that the transaction was unsuccessful, report to the user what the error was without reloading the page, eg. Invalid gift card number.

User Story 11: As a congo customer member, I would like to purchase a Congo gift card.

Task Number	Description	Time (hours)	Task Owner
1	Get payment info from user	2.5	Spencer
2	Send info to Stripe	2.5	Spencer
3	If valid, complete and credit account in database	2.5	Spencer
4	Else, report error to user	2.5	Spencer
5	Unit Test - Correctly submit transaction to Stripe and retrieve correct response code	3	Spencer

Acceptance Criteria:

- Given that the user is ready to purchase a gift card, they should be able to easily and clearly input their payment info.
- Given that the user has inputted their card information, it should be successfully sent to Stripe with the charge amount.
- Given that the transaction was successful, report to the user that their gift card purchase was a success and give them congo credit in the database.
- Given that the transaction was unsuccessful, report to the user what the error was without reloading the page, eg. Invalid card number, Insufficient Funds.

User Story 13: As a user, I would like to complete the payment necessary to the products in my cart.

Task Number	Description	Time	Task Owner
1	Get payment info from user	2.5	Spencer
2	Send info to Stripe	2.5	Spencer
3	If valid, complete and record transaction in database	2.5	Spencer
4	Else, report error to user	2.5	Spencer
5	Unit Test - Correctly submit transaction to Stripe and retrieve correct response code	3	Spencer

Acceptance Criteria:

- Given that the user is ready to pay, they should be able to easily and clearly input their payment info.
- Given that the user has inputted their card information, it should be successfully sent to Stripe with the charge amount.
- Given that the transaction was successful, report to the user that their order was successfully placed, and create a new Order entity in the database.
- Given that the transaction was unsuccessful, report to the user what the error was without reloading the page, eg. Invalid card number, Insufficient Funds.
- Given that the handling of payment appears functional, run unit tests to ensure it is actually fully functionally.

Remaining Product Backlog

Unregistered Congo Customer

- ~~1. As an unregistered congo customer , I would like to register for a Congo account.~~
- ~~2. As an unregistered congo customer , I would like to browse the products.~~
- ~~3. As an unregistered congo customer , I would like to browse products by category.~~

Registered Congo Customer

- ~~4. As a congo customer member, I would like to have all the abilities that an unregistered congo customer have.~~
- ~~5. As a congo customer member , I would like to login to my account~~
- ~~6. As a congo customer member , I would like to add a product to my shopping cart.~~
- ~~7. As a congo customer member , I would like to remove an item/s in my shopping cart.~~
- ~~8. As a congo customer member , I would like leave reviews on products I have purchased.~~
- ~~9. As a congo customer member , I would like to view my recommended products.~~
- ~~10. As a congo customer member , I would like to purchase products in my cart with Stripe API.~~
- ~~11. As a congo customer member , I would like to refund products with Stripe API.~~
- ~~12. As a congo customer member , I would like to view my items in my shopping cart.~~
- ~~13. As a congo customer member , I would like to view my purchase history.~~
- ~~14. As a congo customer member , I would like to view how many products are remaining on a product I am viewing.~~
- ~~15. As a congo customer member , I would like to see how many people are viewing this product.~~
- ~~16. As a congo customer member, I would like to purchase a Congo gift card.~~
- ~~17. As a congo customer member , I would like to redeem a Congo gift card.~~
- ~~18. As a congo customer member , I would like to receive email confirmation after a successful order placement.~~
- ~~19. As a congo customer member , I would like to save my payment information.~~
- ~~20. As a congo customer member , I would like to save my shipping information.~~
- ~~21. As a congo customer member , I would like to save my billing information.~~
- ~~22. As a congo customer member , I would like to reset my account password through my email.~~

Congo Stream Member

- ~~23. As a congo customer Stream member, I would like all the same features as a regular member~~
- ~~24. As a congo customer Stream member , I would like to receive expedited shipping~~
- ~~25. As a congo customer Stream member , I would like to receive discounts on select products.~~

Congo Merchant

- ~~26. As a congo merchant, I would like to be verified.~~
- ~~27. As a congo merchant, I would like to add products~~
- ~~28. As a congo merchant, I would like to edit products~~
- ~~29. As a congo merchant, I would like to remove products~~
- ~~30. As a congo merchant, I would like to be able to login in to a merchant page~~
- ~~31. As a congo merchant, I would like an merchant page with my statistics~~
- ~~32. As a congo merchant, I would like to be able to add tags to my products~~
- ~~33. As a congo merchant, I would like to be able to remove tags to my products~~
- ~~34. As a congo merchant, I would like to pay to promote my products~~

Congo Admin

- ~~35. As an congo admin, I would like to approve merchants~~
- ~~36. As an congo admin, I would like to reject merchants~~
- ~~37. As an congo admin, I would like to approve products~~
- ~~38. As an congo admin, I would like to reject products~~
- ~~39. As a congo admin, I would like to be able to login to a site admin page.~~
- ~~40. As an congo admin, I would like to see overall site statistics~~