

CS Capstone Design

Product Demonstration Grading Sheet (100 pts)

TEAM: 20

PROJECT: Generous Commerce Connectors

DEVELOPMENT CYCLE: Alpha Demo I Alpha Demo II Acceptance Demo

DATE:

MENTOR: Nazmul Hossain

CLIENT: Kyle Montgomery

1. Overview

The purpose of the Product Demonstration Flight Plan is to define what functionality is planned, what functionality will be demonstrated in the current development cycle, and how success will be evaluated.

This document serves three roles:

1. A **planning artifact**, showing how the full product scope is distributed across development cycles
2. A **demonstration guide**, outlining how the current cycle's functionality will be presented through realistic user flows
3. An **evaluation aid**, defining acceptance criteria used by the mentor and client to assess completeness and correctness

The Flight Plan is prepared by the team, reviewed and approved by the mentor, and used during the live demonstration for evaluation and feedback.

2. Product Scope and Development Cycles Overview

This section presents the full set of user stories or use cases for the product and how they are distributed across the three development cycles. The intent is to make clear:

- What functionality exists in the overall product, corresponding to your full prioritized list of functional requirements
- What is included in each development cycle
- How incremental delivery builds toward the final system

2.1. Backlog Overview by Development Cycle

[The blue content are examples, delete it before submitting this document. Add as many lines in the table as needed]

Alpha Demo I – Current Cycle

ID	User Story / Use Case	Acceptance Criteria (Summary)
US-1	As a merchant developer, I want Generous' product feed to be well-documented, so I understand expectations.	Technical documentation agnostic of SFCC that outlines what Generous needs as its product feed.
US-2	As a merchant developer or admin, I want to extract data out of SFCC and write it to a feed format Generous can consume, so I can list my products on Generous.	A file written to the SFCC file server, in the right format

US-3	As a merchant developer or admin, I want to configure a job that will regularly generate a product feed and export it to Generous, so my product details can be updated in Generous.	A file written to the SFCC file server, in the right format
US-4	As a merchant team member, I want the cartridge to be well-documented.	<ul style="list-style-type: none"> • Cartridge Repo Readme for developers • Word (or similar) integration guide for any role
US-5	As a merchandizer in SFCC, I want to be able to manage which products are sent to Generous, and the values of any Generous-specific product attributes, so Generous has the data it needs.	Business Manager modifications so a merchant can enable/disable products and adjust any settings.

Alpha Demo II - Planned Scope

ID	User Story / Use Case	Acceptance Criteria (Summary)
US-6	As a shopify merchant, I want to download the generous extension using the provided code	Account created, validation enforced, user store exists, extensions can be installed
US-7	As a shopify merchant, I want to be able to manage which products are sent to Generous, and the values of any Generous-specific product attributes, so Generous has the data it needs.	Account created, validation enforced, user store exists, store feed can be exported
US-8	As a shopify merchant, I want the product feed and cartridge to be well-documented.	Developer and merchant facing documentation is provided describing setup, configuration, and feed requirements.
US-9	As a shopify merchant, I want to configure a job that will generate a product feed and export it to Generous as my inventory/product list is updated	A process successfully exports an updated product feed to Generous when my catalog updates
US-10	As a merchant developer or admin, I want to extract data out of Shopify and write it to a feed format Generous can consume, so I can list my products on Generous.	A product feed file is generated from Shopify data and written in the correct Generous format.

Acceptance Demo - Planned Scope

ID	User Story / Use Case	Acceptance Criteria (Summary)
US-6	As a shopify merchant, I want to download the generous extension using the provided code	Code for the shopify export app exists, is available and can be installed into my shopify store
US-7	As a shopify merchant, I want to be able to manage which products are sent to Generous, and the values of any Generous-specific product attributes, so Generous has the data it needs.	A shopify merchant is able to choose which products from their catalog are exported to generous servers. Each product should have generous-specific attributes available

US-8	As a shopify merchant, I want the product feed and cartridge to be well-documented.	Documentation for shopify cartridge installation and use exists.
US-9	As a shopify merchant, I want to configure a job that will generate a product feed and export it to Generous as my inventory/product list is updated	Shopify catalog exports when the catalog inventory or list is updated
US-10	As a merchant developer or admin, I want to extract data out of Shopify and write it to a feed format Generous can consume, so I can list my products on Generous.	Shopify exports a schema that generous can accept and use
	TBD	TBD

3. Demonstration Walkthrough

For each user story or use case included in the current cycle, provide a demonstration walkthrough guided by acceptance criteria. The demo should follow a realistic user flow and show the functionality working end-to-end.

Use Case / User Story: [US-6, Code export and usage](#)

User Role: Cross Platform Merchant

Goal: Easily Understand Product Upload Requirements

Demonstration flow:

1. [Log in as shopify admin](#)
2. [Find shopify app code](#)
3. [Find shopify sidekick AI](#)
4. [Provide AI with code and install app](#)

Acceptance Criteria (What Success Looks Like)

The demonstration is considered successful if:

- [App is installed](#)
- [App has all expected functionalities.](#)

Evaluation and Comments (for mentors only):

- Convincingly demonstrated the functionality

- Other evaluative comments/notes

Use Case / User Story: [US-7, Upload data to generous](#)

User Role: Merchant Developer / Merchant Administrator

Goal: Enable a merchant to upload selected product data from SFCC to Generous in the required feed format so products can be ingested by Generous.

Demonstration flow:

1. Shopify app is available to user
2. User inputs API endpoint
3. Catalog data is selected
4. Data is exported
5. Exported data is visible at given endpoint

Acceptance Criteria (What Success Looks Like)

The demonstration is considered successful if:

1. Installed app is visible
2. App offers endpoint input
3. Endpoint can be reached
4. Expired data can be viewed

Evaluation and Comments (for mentors/clients only):

- Convincingly demonstrated the functionality

- Other evaluative comments/notes

Use Case / User Story: [US-8, Export app documentation](#)

User Role: Merchant Developer / Merchant Administrator

Goal: Enable a merchant to configure and run a scheduled job that regularly generates a product feed and exports it to Generous so product data stays up to date.

Demonstration flow:

1. User opens generous repo branch
2. Documentation for app upload/usage is available
3. Documentation is coherent and instructions work.

Acceptance Criteria (What Success Looks Like)

The demonstration is considered successful if:

1. Repo exists
2. Instructions are valid
3. Product functions after instructions are followed.

Evaluation and Comments (for mentors only):

- Convincingly demonstrated the functionality
- Other evaluative comments/notes

Use Case / User Story: [US-9, export on update](#)

User Role: Merchant Developer / Merchant Administrator

Goal: Provide clear and complete documentation for the Generous cartridge so developers and non-technical team members can successfully install, configure, and use it.

Demonstration flow:

1. [user has shopify extension installed](#)
2. [Catalog exists and can be exported](#)
3. [Catalog inventory or list is updated](#)
4. [Catalog update triggers automatic export.](#)

Acceptance Criteria (What Success Looks Like)

The demonstration is considered successful if:

[Export is automatically triggered when catalog inventory or list is updated](#)

Evaluation and Comments (for mentors only):

- Convincingly demonstrated the functionality
- Other evaluative comments/notes

Use Case / User Story: [US-10, schema validation](#)

User Role: Merchant Developer / Merchant Administrator

Goal: Enable a merchandiser to manage which products are sent to Generous and configure Generous-specific product attributes so Generous receives the correct product data.

Demonstration flow:

1. [user has shopify extension installed in store](#)

2. User exports catalog data
3. Data is compared against given generous schema
4. Schema validates and fills all required fields

Acceptance Criteria (What Success Looks Like)

The demonstration is considered successful if:

Schema validation is passed and all expected fields are filled

Evaluation and Comments (for mentors only):

- Convincingly demonstrated the functionality

- Other evaluative comments/notes

4. Out-of-Scope or Deferred Functionality

List any user stories or use cases planned in the approved flight plan for this cycle, but not demonstrated, along with their planned future cycle. This helps set clear expectations and avoids confusion during the demo.

Alpha Demo I – Current Cycle

ID	Reason Not Demonstrated	Planned Cycle
US-8	Dependency is not yet complete	Alpha Demo II
US-15	Functionality removed by the client	N/A

5. Known Limitations and Planned Follow-Up

Document any known limitations (if any), partial implementations, or issues observed during development or demonstration. Where possible, indicate planned mitigation or timing for resolution.

- Limitation / Issue: Endpoints or sandboxes provided late by client or upstream services
- Impact: Inability to develop features for new platforms such as Shopify
- Planned Resolution (if known): Continued refinement of previously produced systems

6. Approval

This Flight Plan has been reviewed and approved for use in the Alpha Demonstration.

X

Md Nazmul Hossain

Mentor Approval:

Date: 3/16/2026