

Requirements

Collaborative Shopper Requirements.

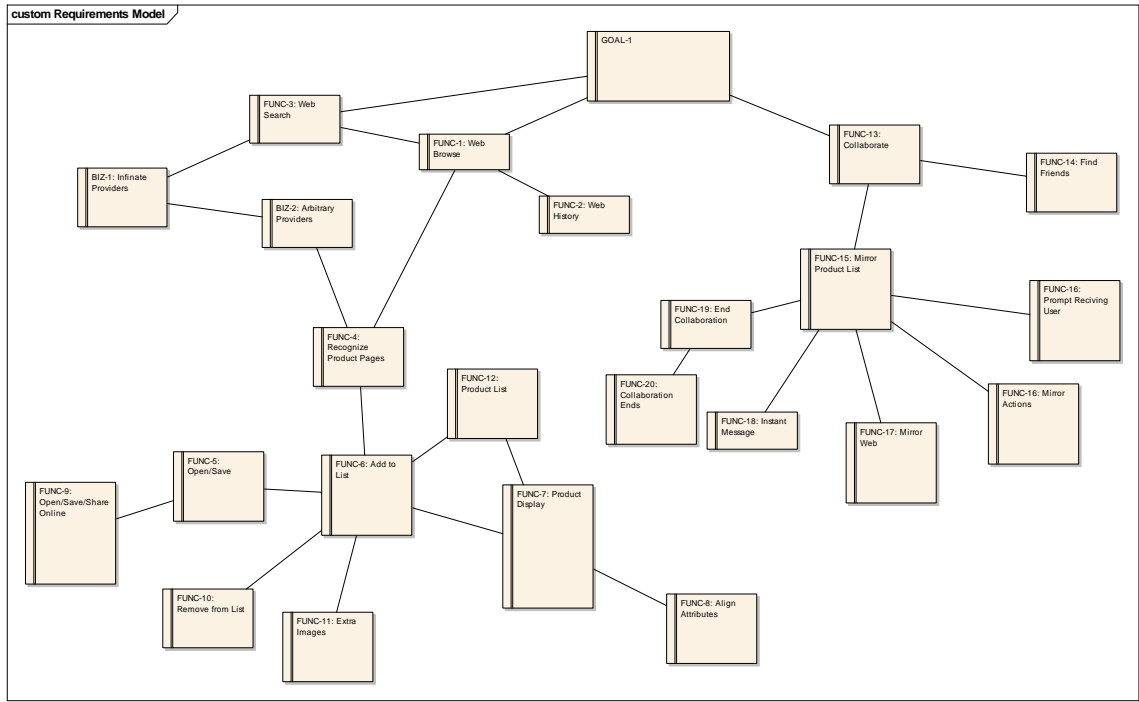


Figure: Requirements Model

| Name | | | Notes |
|--------------------------------|--------------------|----------|---|
| GOAL-1 | Status: | Proposed | User wishes to compare products from the web. (same product from different sites, or different products from same or different site) |
| | Difficulty: | Medium | |
| | Priority: | Medium | |
| FUNC-9: Open/Save/Share Online | Status: | Proposed | Eventually, the user should be able to save/open product lists from an online datastore, and share those lists with others. |
| | Difficulty: | Medium | |
| | Priority: | Medium | |
| FUNC-8: Align Attributes | Status: | Proposed | Same product attributes across products/providers should line up visually for easy comparison. |
| | Difficulty: | Medium | |
| | Priority: | Medium | |
| FUNC-7: Product Display | Status: | Proposed | The comparison list should show the provider the product came from, the name of the product, a thumbnail image, and a list of arbitrary product attributes. |
| | Difficulty: | Medium | |
| | Priority: | Medium | |
| FUNC-6: Add to List | Status: | Proposed | If a product is recognized, the user may add that product to a list for the purposes of comparison. |
| | Difficulty: | Medium | |
| | Priority: | Medium | |
| FUNC-5: Open/Save | Status: | Proposed | The user should be able to open & save product lists to their hard drive in the form of a file. |
| | Difficulty: | Medium | |
| | Priority: | Medium | |
| FUNC-4: Recognize | Status: | Proposed | Products will be recognized if the user |

| Name | | Notes |
|--------------------------------|---|---|
| Product Pages | Difficulty: Medium Priority: Medium | is on a product detail page. |
| FUNC-3: Web Search | Status: Proposed Difficulty: Medium Priority: Medium | User may search the websites of available providers. |
| FUNC-20: Collaboration Ends | Status: Proposed Difficulty: Medium Priority: Medium | At this point, each user's list will become independent, and act per normal usage. |
| FUNC-2: Web History | Status: Proposed Difficulty: Medium Priority: Medium | User may go back/forward in their web history. |
| FUNC-19: End Collaboration | Status: Proposed Difficulty: Medium Priority: Medium | Either user may choose to end the collaboration session. |
| FUNC-18: Instant Message | Status: Proposed Difficulty: Medium Priority: Medium | Users may send/recv instant messages. |
| FUNC-17: Mirror Web | Status: Proposed Difficulty: Medium Priority: Medium | When either user navigates with their web browser, the other user's web browser will follow. |
| FUNC-16: Prompt Receiving User | Status: Proposed Difficulty: Medium Priority: Medium | After FUNC-15, the receiving user will get a prompt telling them their current product list will be taken over. |
| FUNC-16: Mirror Actions | Status: Proposed Difficulty: Medium Priority: Medium | When either user adds/removes a product, that action will be mirrored on the other user's application. |
| FUNC-15: Mirror Product List | Status: Proposed Difficulty: Medium Priority: Medium | Once linked, the initiating user's product list will be mirrored on the receiving user's application. |
| FUNC-14: Find Friends | Status: Proposed Difficulty: Medium Priority: Medium | Users should be able to find other users currently using the application. |
| FUNC-13: Collaborate | Status: Proposed Difficulty: Medium Priority: Medium | One user may choose another user to share their experience with. |
| FUNC-12: Product List | Status: Proposed Difficulty: Medium Priority: Medium | There must be a list of products (0 or more) |
| FUNC-11: Extra Images | Status: Proposed Difficulty: Medium Priority: Medium | Users may associate "extra" images from the web browser with a product in the list. |
| FUNC-10: Remove from List | Status: Proposed Difficulty: Medium Priority: Medium | Users should be allowed to remove products from the comparison list. |
| FUNC-1: Web Browse | Status: Proposed Difficulty: Medium Priority: Medium | User may browse websites by URL. |
| BIZ-2: Arbitrary Providers | Status: Proposed Difficulty: Medium Priority: Medium | We want to recognize products on many websites. |
| BIZ-1: Infinite Providers | Status: Proposed Difficulty: Medium Priority: Medium | The list of available providers must be able to grow over time. |

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Model Documentation

Model Detail

This document provides a complete overview of all element details. For simpler and more focused reports, simply copy this initial template and turn off the sections not required.

Collaborative Shopper Domain Model

Type: Package
Status: Proposed. Version . Phase 1.0.
Package: Model
Detail: Created on 3/20/2009. Last modified on 3/20/2009
GUID: {A7B7AB55-DFDD-44db-9325-D320224C8AC7}

Domain Model - (Logical diagram)

Created By: on 11/19/2005
Last Modified: 3/20/2009
Version: 1.0. **Locked:** False
GUID: {22FD38C0-703F-49da-8DF9-AD16A7F2A445}

The combined search results from all known providers.

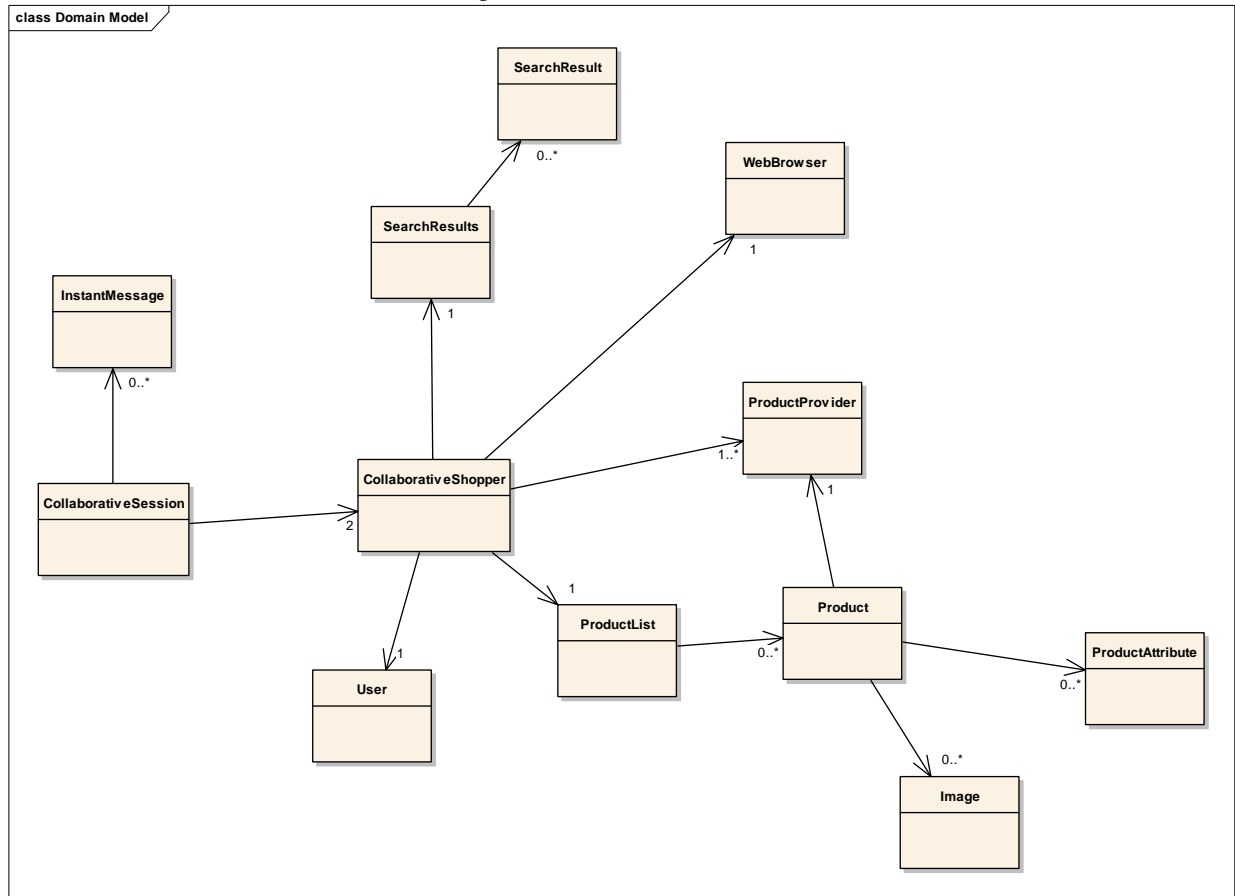


Figure: 1

CollaborativeSession

Type: Class
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model *Keywords:*
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {0A5A9033-54C6-4d36-ADD5-99FDC0BE4E67}

A connection between 2 applications.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|--------------------------------|--------------------------------|-------|
| <u>Association</u> Source -> Destination | Public CollaborativeSession | Public CollaborativeShopper | |
| <u>Association</u> Source -> Destination | Public CollaborativeSession | Public InstantMessage | |

CollaborativeShopper

Type: Class
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model *Keywords:*
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {EB8F938D-171F-4a05-BD3C-7E1C3F272E0F}

The application itself.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|--------------------------------|--------------------------------|-------|
| <u>Association</u> Source -> Destination | Public CollaborativeSession | Public CollaborativeShopper | |
| <u>Association</u> Source -> Destination | Public CollaborativeShopper | Public User | |
| <u>Association</u> | Public | Public | |

| Connector | Source | Target | Notes |
|---|--------------------------------|---------------------------|-------|
| Source -> Destination | CollaborativeShopper | ProductList | |
| Association Source -> Destination | Public CollaborativeShopper | Public WebBrowser | |
| Association Source -> Destination | Public CollaborativeShopper | Public SearchResults | |
| Association Source -> Destination | Public CollaborativeShopper | Public ProductProvider | |

Image

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model **Keywords:**
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {AD95C7C8-9F54-41ea-B0D0-D28DFD786563}

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|-------------------|-----------------|-------|
| Association Source -> Destination | Public Product | Public Image | |

InstantMessage

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model **Keywords:**
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {A28D8CC3-99CD-417e-BC79-41E30E6FA6EE}

A message between the users of a collaborative session.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|--------------------------------|--------------------------|-------|
| <u>Association</u> Source -> Destination | Public CollaborativeSession | Public InstantMessage | |

Product

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model *Keywords:*
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {C43D664B-B86C-4415-8427-6632E5F26648}

A product to be compared.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|-----------------------|----------------------------|-------|
| <u>Association</u> Source -> Destination | Public Product | Public ProductProvider | |
| <u>Association</u> Source -> Destination | Public Product | Public Image | |
| <u>Association</u> Source -> Destination | Public Product | Public ProductAttribute | |
| <u>Association</u> Source -> Destination | Public ProductList | Public Product | |

ProductAttribute

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model *Keywords:*
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {BE1BDEE7-322F-4c85-A0A2-19DFA33AE96F}

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|-------------------|----------------------------|-------|
| Association Source -> Destination | Public Product | Public ProductAttribute | |

ProductList

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model *Keywords:*
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {3FA953EB-1249-44e8-8419-B3A502A5FAFF}

The current list of products to be compared.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|--------------------------------|-----------------------|-------|
| Association Source -> Destination | Public ProductList | Public Product | |
| Association Source -> Destination | Public CollaborativeShopper | Public ProductList | |

ProductProvider

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model *Keywords:*
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {94ABF4D9-5457-4c9d-B1EB-A9F1C5007DF2}

A provider of product information and product search.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|-----------|--------|--------|-------|
|-----------|--------|--------|-------|

| Connector | Source | Target | Notes |
|---|--------------------------------|---------------------------|-------|
| Association Source -> Destination | Public Product | Public ProductProvider | |
| Association Source -> Destination | Public CollaborativeShopper | Public ProductProvider | |

SearchResult

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model *Keywords:*
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {ADB07C1F-3F9A-4b5a-9335-A6E9908FCDEF}

A search result from a single provider.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|-------------------------|------------------------|-------|
| Association Source -> Destination | Public SearchResults | Public SearchResult | |

SearchResults

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model *Keywords:*
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {7FDD7F41-E3F2-491c-A349-8D754BC6BB22}

The list of search results based on the last search the user did.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|--------------------------------|-------------------------|-------|
| Association Source -> Destination | Public CollaborativeShopper | Public SearchResults | |

| Connector | Source | Target | Notes |
|---|-------------------------|------------------------|-------|
| Association Source -> Destination | Public SearchResults | Public SearchResult | |

User

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model **Keywords:**
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {D95A1CCA-D52A-4fb2-AE5B-C72DC6134F31}

The person using the application.

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|--------------------------------|----------------|-------|
| Association Source -> Destination | Public CollaborativeShopper | Public User | |

WebBrowser

Type: **Class**
Status: Proposed. Version 1.0. Phase 1.0.
Package: Collaborative Shopper Domain Model **Keywords:**
Detail: Created on 3/20/2009. Last modified on 3/20/2009.
GUID: {6E433ABC-6E2E-4f71-A6BA-D54D41B3E117}

A simple web browser

Custom Properties

- isActive = False

Connections

| Connector | Source | Target | Notes |
|---|--------------------------------|----------------------|-------|
| Association Source -> Destination | Public CollaborativeShopper | Public WebBrowser | |

Diagram Documentation

User Interface Model - (Custom diagram)

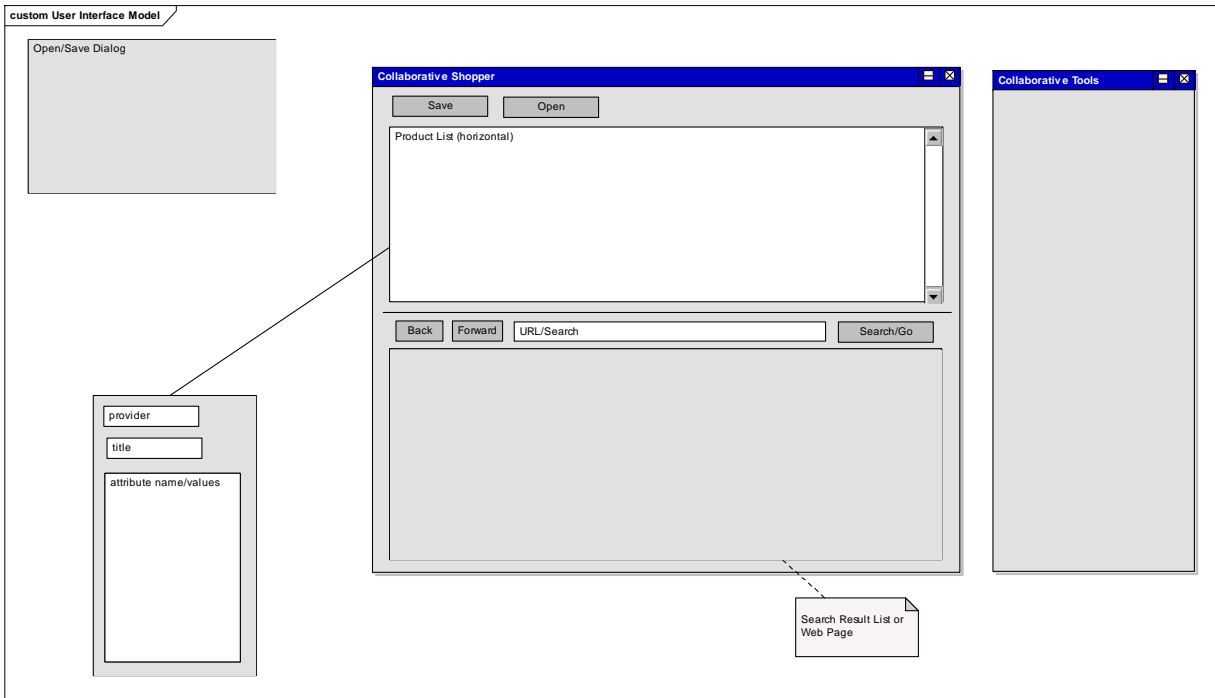


Figure 1