KHABO

BPMN Diagram

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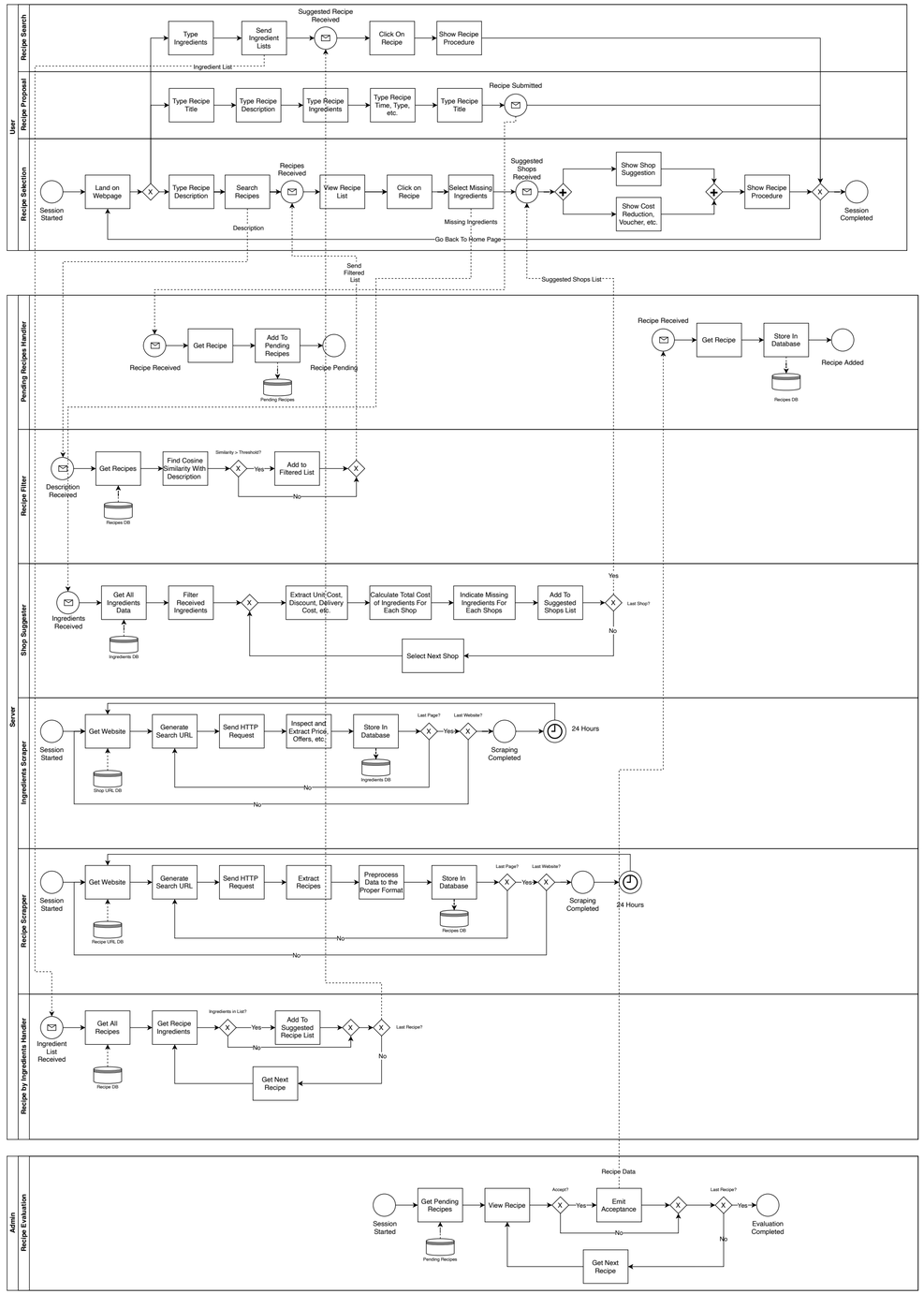
Modules

- Ingredients Scraper Module
- Recipe Scraper Module
- Intelligent Shop Suggester Module
- Ingredients to Recipe Module
- Recipe Visualizer Module

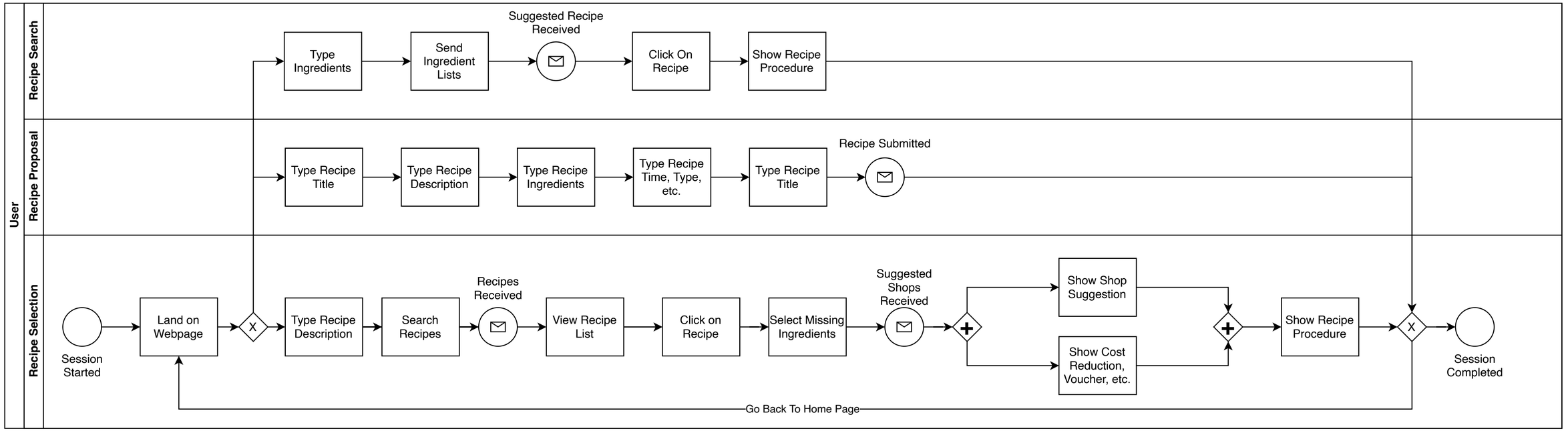
Pools & Lanes

- User
  - Recipe Search
  - Recipe Proposal
  - Recipe Selection
- Server
  - Pending Recipes Handler
  - Recipe Filter
  - Shops Suggester
  - Recipe Scraper
  - Ingredient Scraper
  - Recipe by Ingredients Handler
- Admin
  - Recipe Evaluation

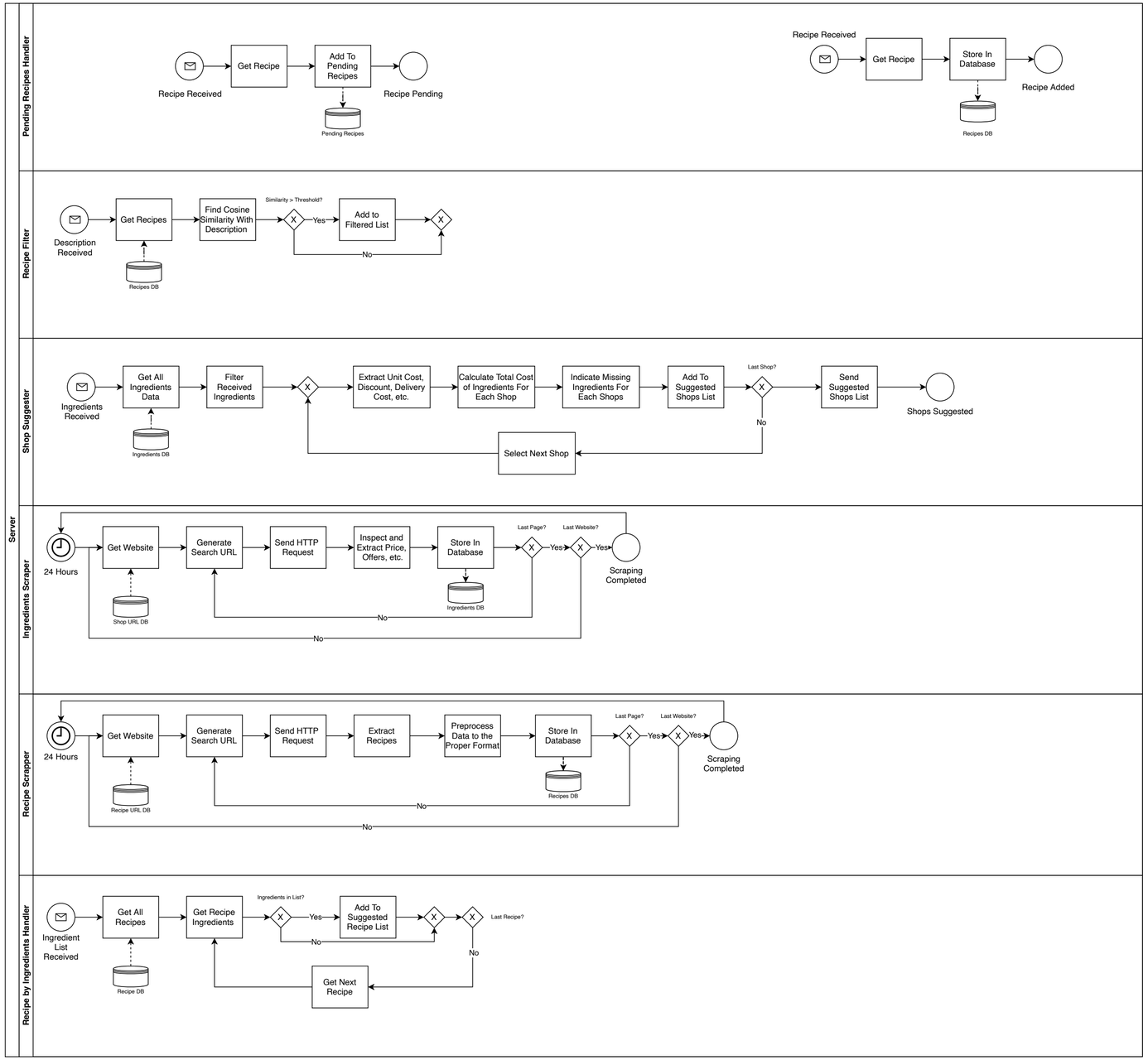
BPMN Diagram



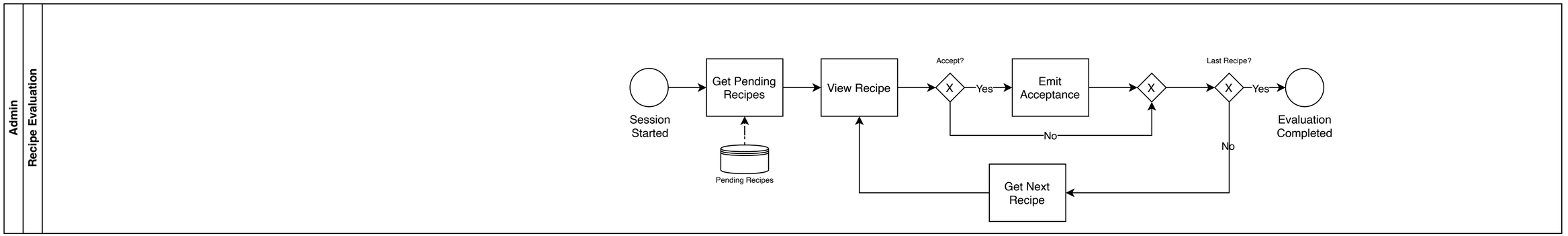
User Pool


User
Recipe Search
Recipe Proposal
Recipe Selection
Type Ingredients
Send Ingredient Lists
Suggested Recipe Received
Click On Recipe
Show Recipe Procedure
Type Recipe Title
Type Recipe Description
Type Recipe Ingredients
Type Recipe Time, Type, etc.
Type Recipe Title
Recipe Submitted
Session Started
Land on Webpage
Type Recipe Description
Search Recipes
Recipes Received
View Recipe List
Click on Recipe
Select Missing Ingredients
Suggested Shops Received
Show Shop Suggestion
Show Cost Reduction, Voucher, etc.
Show Recipe Procedure
Session Completed
Go Back To Home Page

Server Pool

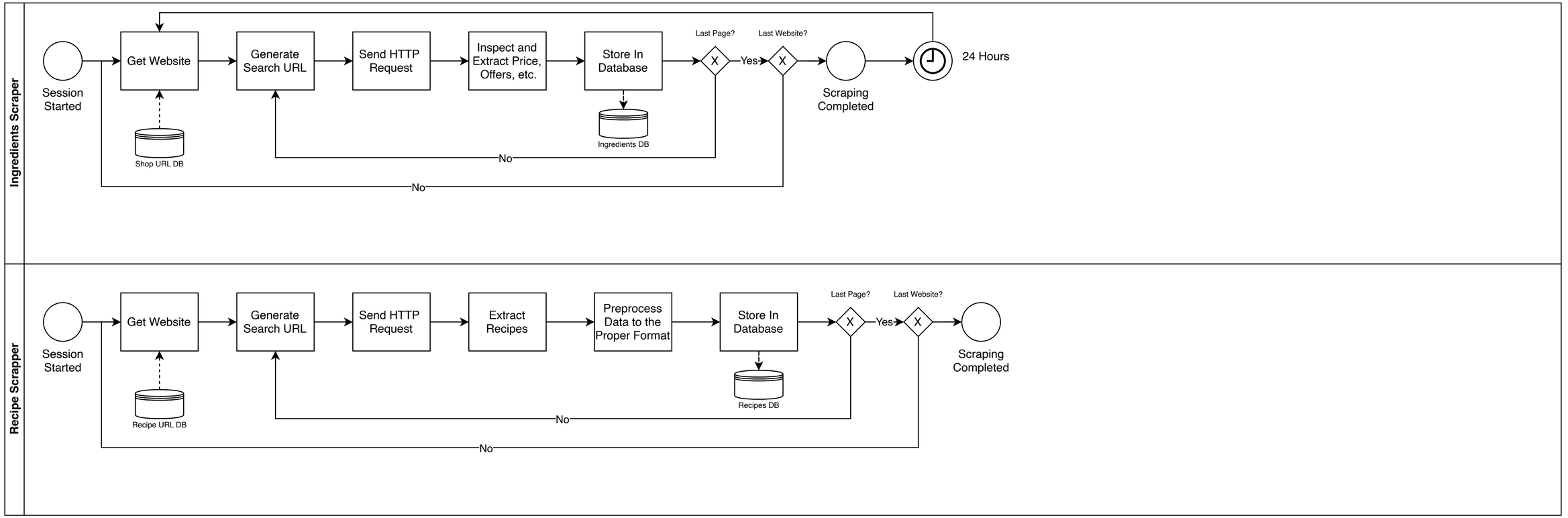

Server
Pending Recipes Handler
Recipe Received
Get Recipe
Add To Pending Recipes
Pending Recipes
Recipe Pending
Recipe Received
Get Recipe
Store In Database
Recipes DB
Recipe Added
Recipe Filter
Description Received
Get Recipes
Recipes DB
Find Cosine Similarity With Description
Similarity > Threshold?
Yes
Add to Filtered List
No
Shop Suggester
Ingredients Received
Get All Ingredients Data
Ingredients DB
Filter Received Ingredients
Extract Unit Cost, Discount, Delivery Cost, etc.
Calculate Total Cost of Ingredients For Each Shop
Indicate Missing Ingredients For Each Shops
Add To Suggested Shops List
Last Shop?
No
Select Next Shop
Send Suggested Shops List
Shops Suggested
Ingredients Scraper
24 Hours
Get Website
Shop URL DB
Generate Search URL
Send HTTP Request
Inspect and Extract Price, Offers, etc.
Store In Database
Ingredients DB
Last Page?
Yes
Last Website?
Yes
Scraping Completed
No
No
Recipe Scrapper
24 Hours
Get Website
Recipe URL DB
Generate Search URL
Send HTTP Request
Extract Recipes
Preprocess Data to the Proper Format
Store In Database
Recipes DB
Last Page?
Yes
Last Website?
Yes
Scraping Completed
No
No
Recipe by Ingredients Handler
Ingredient List Received
Get All Recipes
Recipe DB
Get Recipe Ingredients
Ingredients in List?
Yes
No
Add To Suggested Recipe List
Last Recipe?
No
Get Next Recipe

Admin Pool


Admin
Recipe Evaluation
Session Started
Get Pending Recipes
Pending Recipes
View Recipe
Accept?
X
Yes
Emit Acceptance
No
X
Last Recipe?
X
Yes
Evaluation Completed
No
Get Next Recipe

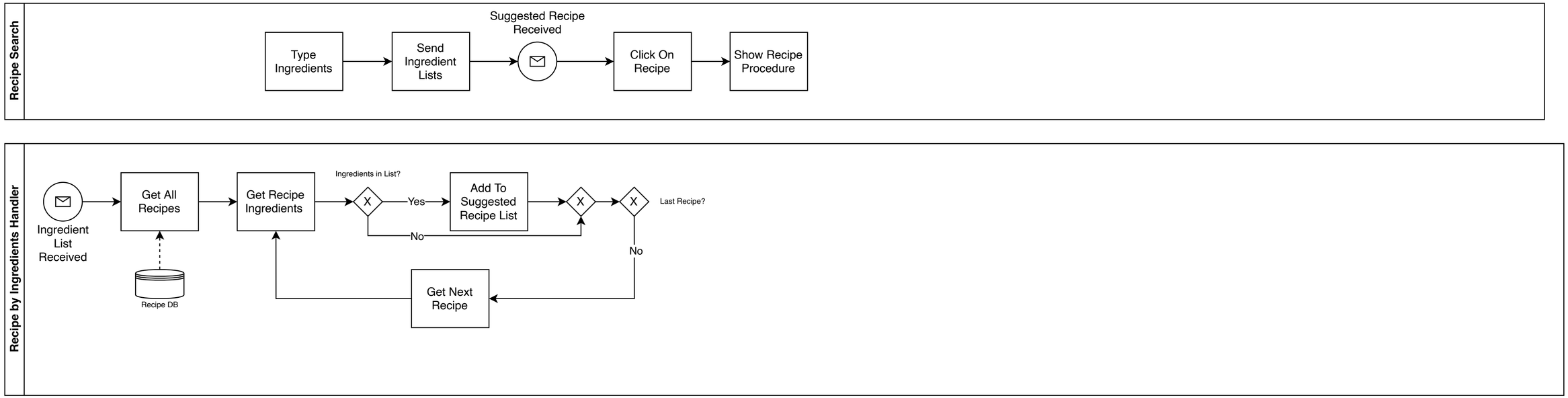
Scrapers

Recipe & Ingredients Scraper

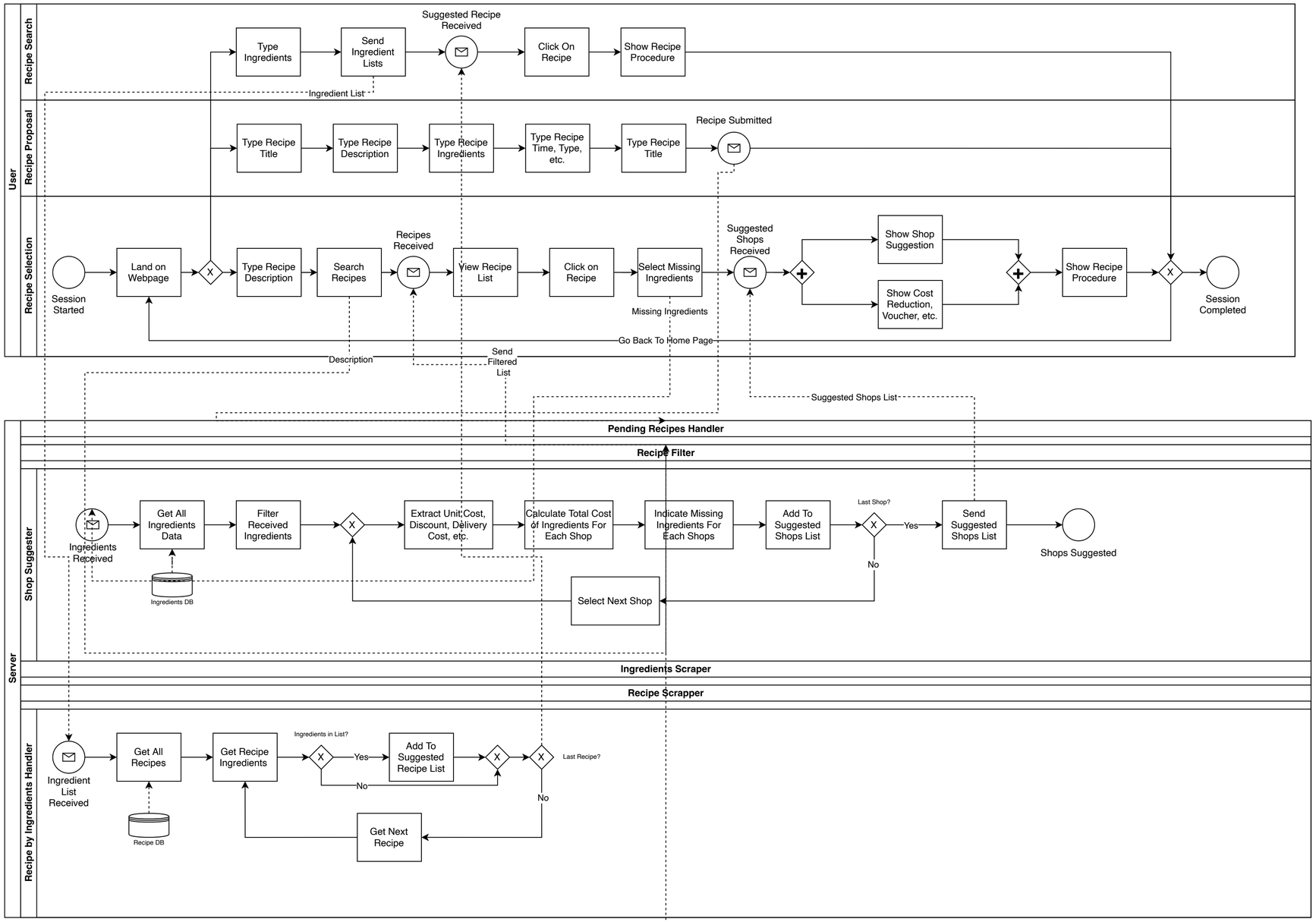


Ingredients to Recipe

Make the Best of Available Ingredients

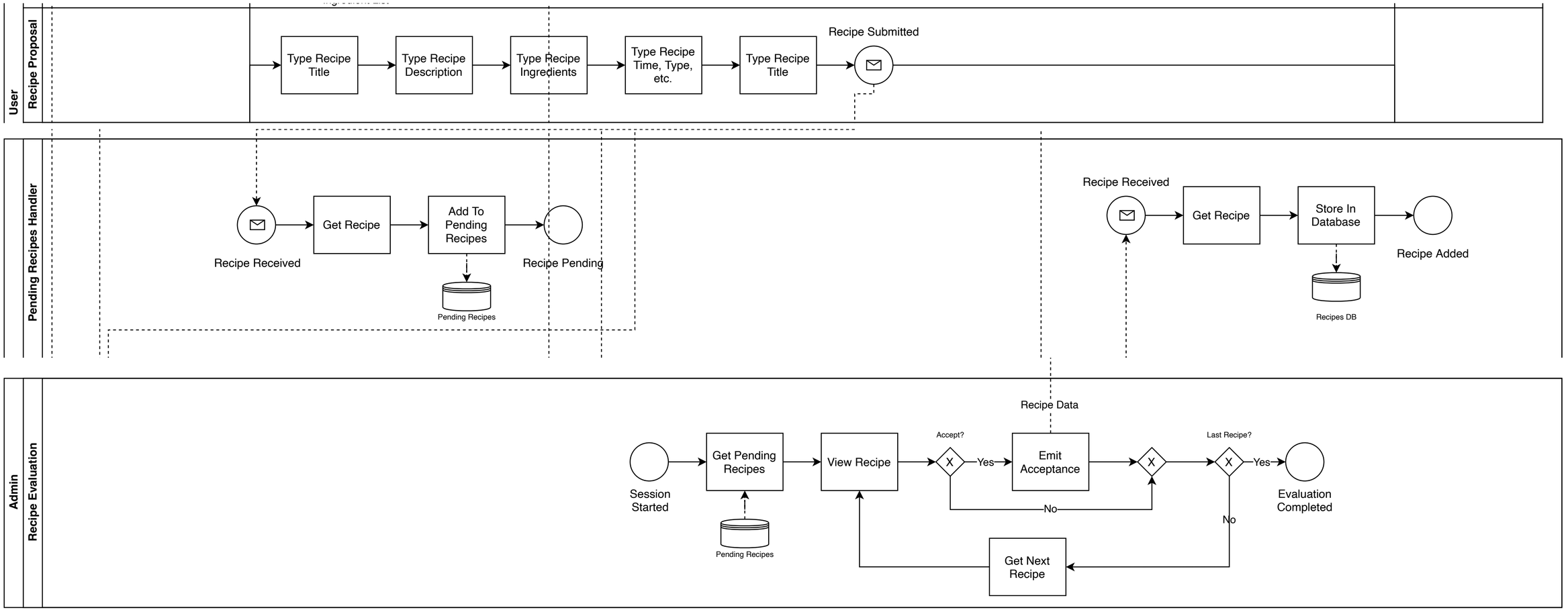


More Details...



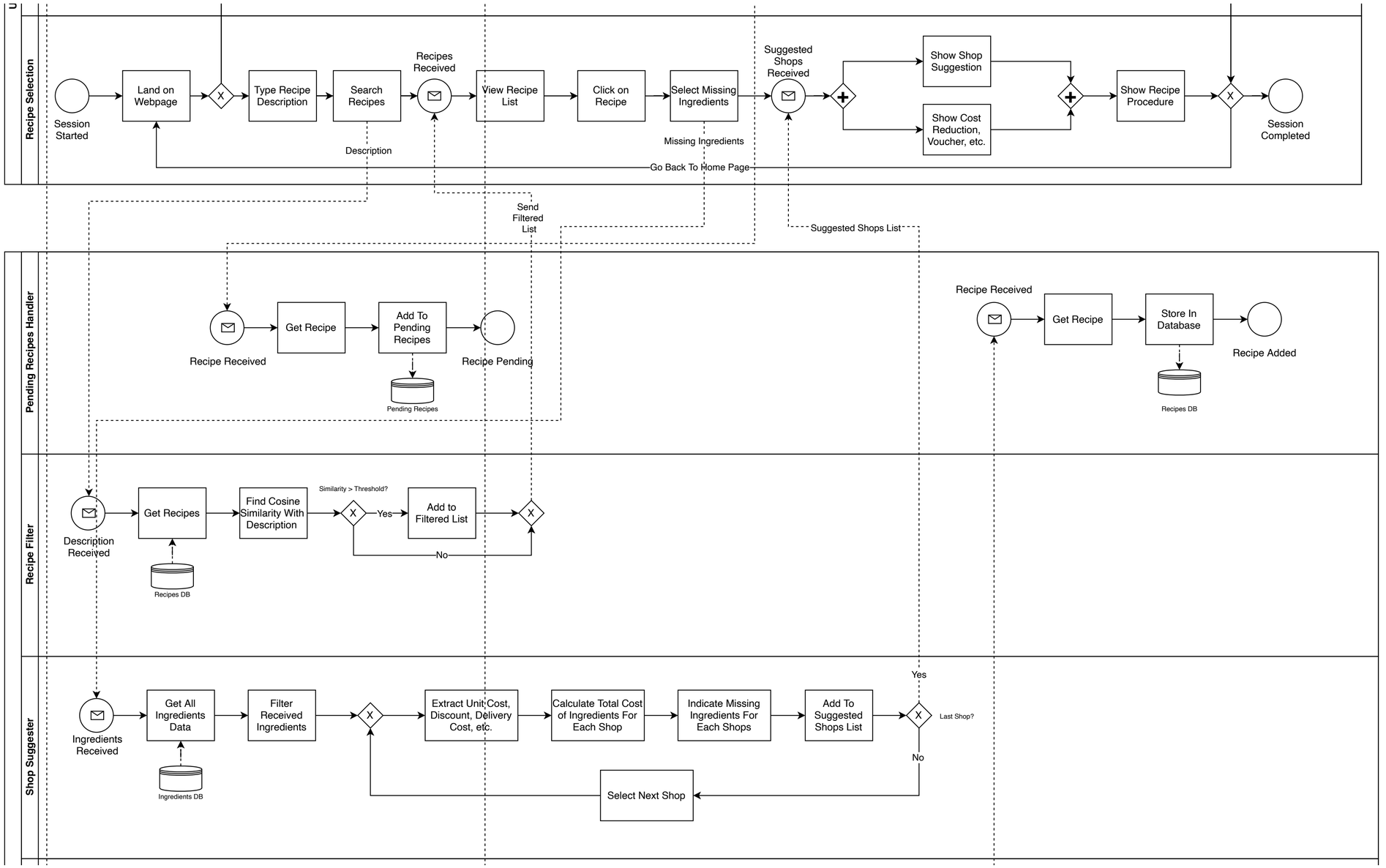
Community Recipes

Recipe Proposal & Admin Evaluation



Intelligent Shop Suggester

Get the Missing Ingredients at the Cheapest Price



Thank You!

- KHABO Team