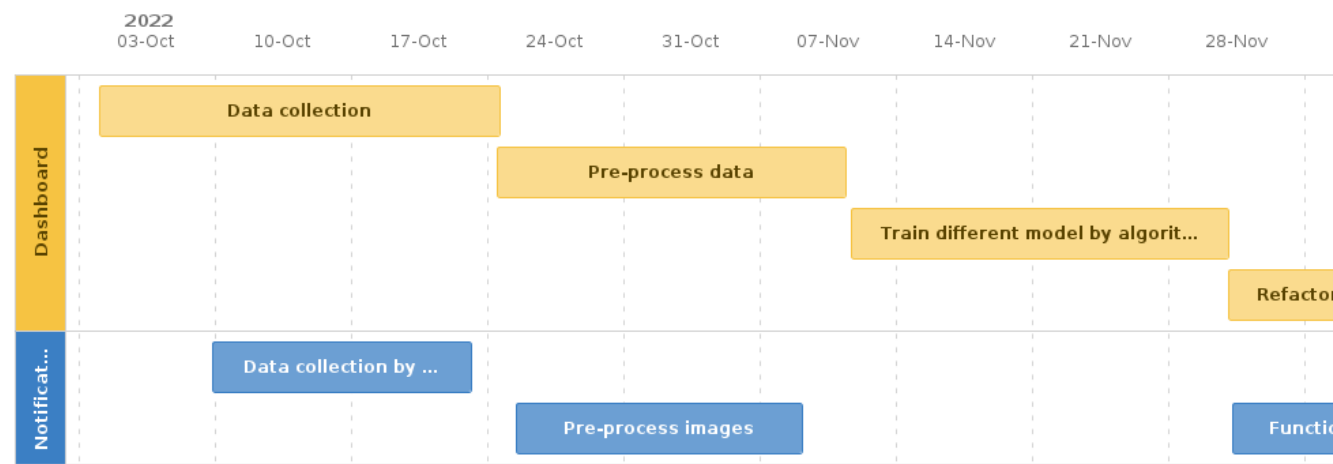


# Visually Similar Product Recommendation



Target release	Visually Similar Product Recommendation
Epic	Visually Similar Product Recommendation
Document status	DRAFT
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QA	

## Objective

“A recommender system, or a recommendation system, is a subclass of information filtering systems that provide suggestions for items that are most pertinent to a particular user.” Our project will introduce content-based filtering, which is based on item profiles and user profiles including users' preferred choices, just like what you will see on Amazon e.g. Inspired by your purchase., which recommends new products to the customer based on what they have purchased in the past.

## Success metrics

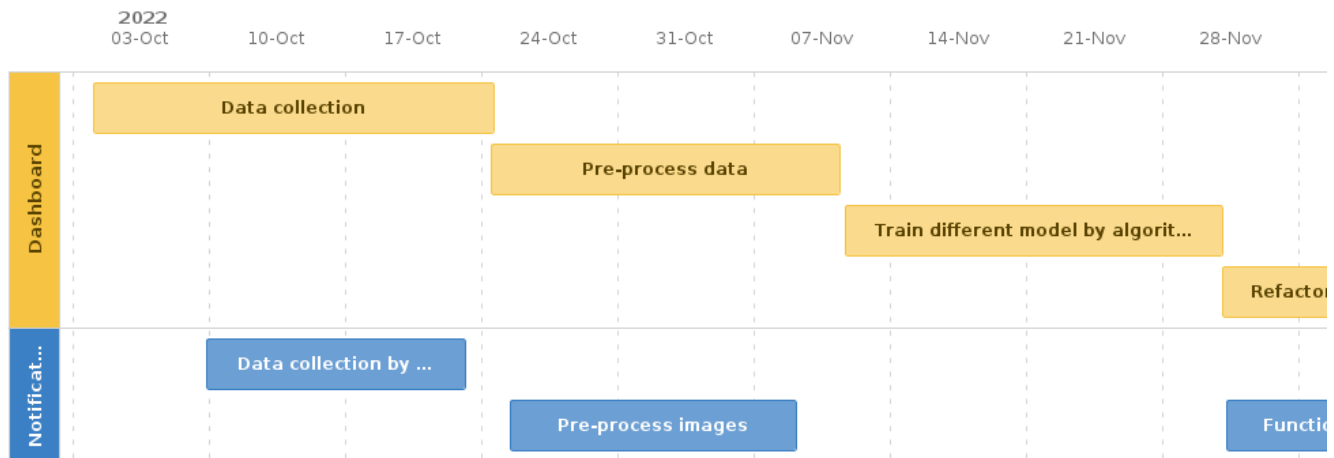
Goal	Metric
Web Responsiveness	Layouts can be properly displayed on browsers for mobile and desktop devices with different screen sizes.
Multilingual Supports	No garbled texts in non-English environments.
User-friendliness	Users can access all the features without instruction
Recommendation	Similar items will be recommended
Save user preference	Users have the option of saving favorites

## Assumptions

Recommender Systems can be broadly classified into 3 types

- Collaborative Filtering
- Content-Based Filtering
- Hybrid

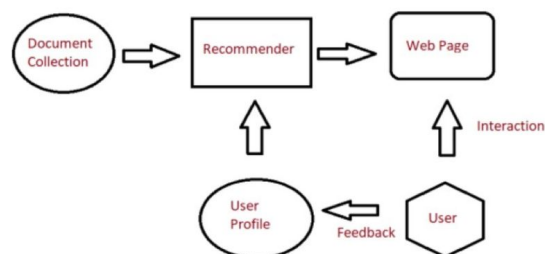
## ☀ Milestones



## 📋 Requirements

Requirement	User Story	Importance	Jira Issue	Notes
Must be Web Responsive	Web users would like to use websites on any size of digital device to check the product's images	HIGH	Utilize media queries to design web responses to different screen size	We need to finalize the interface mockup with the team for our web application design
Users can choose different image options	Image option settings on the page for users to choose the ideal image they want to see	HIGH	We will reduce the image feature dimensions	
Must be user-friendly	A web app user wants it to be simple and clear	HIGH	The recommended items must be similar to searching for items from the user	
Save user-preferences	Web users have the option of saving favorites	MEDIUM		

## 🎨 User interaction and design



## ? Open Questions

Question	Answer	Date Answered
How to test the function of recommendation system?		
How to recommend the related item or products?		
How to recognize the similar items?		
What if the accuracy of recommend products is low?		

## Out of Scope

1. Filters filter out products that customers dislike.
2. Rank the products from the most favorites to least favorites and recommend the most favorite products first.
3. The recommendation system could recommend some related items or products to users not only similar items.