

[illegible]

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User Story Description

As a user, I want recommendations based on my past purchases and ratings

As a user, I want to see similar product suggestions
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As a user, I want popular product recommendations when no history exists
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As a user, I want accurate and relevant recommendations

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[illegible]

NOTES: Task sizing should be between 0.5 to 12 hours

US ID	Task ID	Task Description	Task Start Date	Task Completion Date
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US-01	T-01	Dataset collection and preprocessing	4-Dec-25	5-Dec-25
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US-01	T-02	Handle cold-start problem using popularity-based logic	15-Dec-25	16-Dec-25
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US-01	T-03	Evaluate recommendation accuracy using precision and recall	29-Dec-25	30-Dec-25
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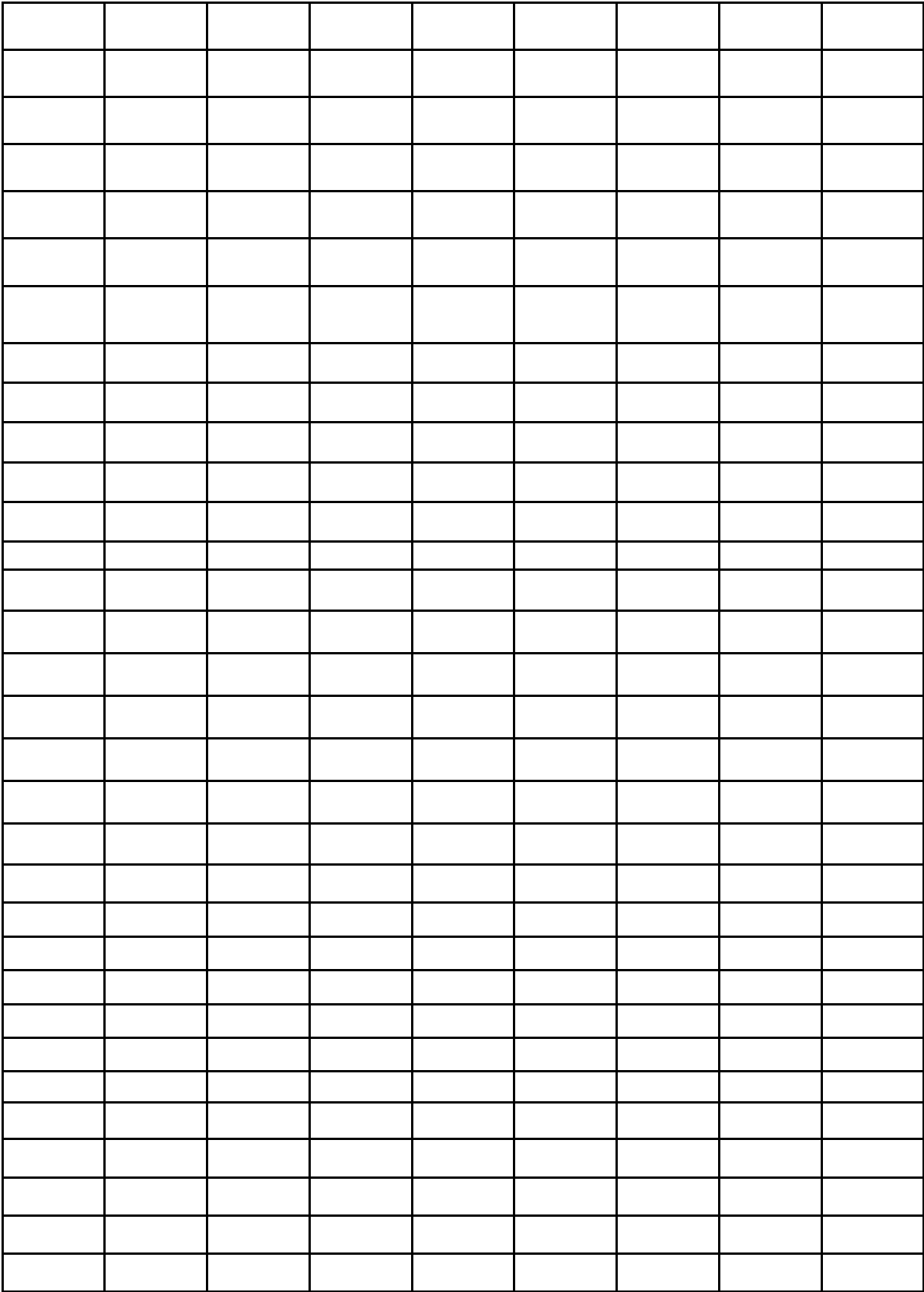
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Sprint	Day	Impediments
Sprint 1	Day 1	None
Sprint 1	Day 2	Missing values and inconsistent user-product interaction data
Sprint 1	Day 3	Difficulty in selecting an appropriate recommendation approach
Sprint 1	Day 4	Cold-start issue for new users and products
Sprint 1	Day 5	Low initial accuracy of recommendation results

Action Taken
Collected user interaction and product data and reviewed dataset structure
Performed data cleaning, handling missing values and normalizing dataset
Analyzed collaborative and content-based filtering and finalized both approaches.
Implemented fallback logic using popular products
Tuned model parameters and evaluated performance using precision and recall metrics

SL #	Sprint #	Sprint start date	Sprint end date	Team member name
1	1	12/1/2025	12/14/2025	Yash khotale
2				
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6				
7				

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Action taken
Followed a structured workflow for data preprocessing and model development