

Sl: No:	Test Case Name	Test Procedure	Condition to be tested
1	Data Collection	Load user and product datasets into the system	All datasets are available and readable
2	Data Cleaning & Preprocessing	Handle missing values, remove duplicates, normalize data	Dataset has missing values or inconsistent formats
3	Algorithm Selection	Implement collaborative filtering or content-based filtering algorithm	Algorithm selected as per module 2 specification
4	Recommendation Generation	Generate product recommendations for a user	User exists in dataset
5	System Deployment	Deploy model to test environment	Model deployed on live-like environment

Expected Result	Actual Result
Data is successfully loaded without errors	Data loaded successfully; no errors encountered
Cleaned dataset with no missing values and consistent format	Data cleaned and preprocessed successfully
Algorithm is implemented correctly	Content & Collaborative filtering implemented successfully
System returns relevant product recommendations	Recommendations generated correctly for all users
Model runs without errors and recommendations are available	Model deployed successfully; system running smoothly