

Product Recommendation System:

Output:

The screenshot displays a web browser window at the URL `localhost:8501/#search-engine-and-product-recommendation-system`. The page features a logo for 'SWIFTBUY' with the tagline 'smooth shooping journey'. Below the logo, the title 'Search Engine and Product Recommendation System' is shown. A search bar contains the text 'Swissmar', and a 'Search' button is visible. The search results are displayed in a table with two columns: 'Title' and 'Description'.

	Title	Description
0	Swissmar Capstore Select Storage Rack for 18-Pack	Swissmar's capstore sel

The second screenshot shows the same interface but with a list of 10 product recommendations. The search bar still contains 'Swissmar'.

	Title	Description
0	Swissmar Capstore Select Storage Rack for 18-Pack	Swissmar's capstore sel
439	Legends of Pegasus - PC	Legends of Pegasus is se
441	Essential Medical Supply Foam Cushion with Gel Bladder - 16" x 18" x 3"	Essential gel cushions a
442	Tussy Rollon Powder Fresh Size 1.7z Tussy Rollon Powder Fresh 1.7z "Pack of 6"	Tussy Roll-On Powder Fi
443	Nuby Nibbler with Travel Cover, Colors May Vary	The Nuby Nibbler is a gr
444	Kess InHouse Pom Graphic Design Abstract Journey Yoga Exercise Mat, Circular Triba	Release your inner yogi
445	Donkey KICKASS, 50-Page Note Pad	Our playful, animal ima
446	Kid's Tag Charm - Emma	These Adorable Key-Rin
447	MAYTEX Simple Striped Fabric Shower Curtain, 70 inches x 72 inches, Multi Grey	Add a fun, modern look
448	Neutrogena Deep Clean Oil-Free Makeup Remover Cleansing Face Wipes, Daily Clean	Clean and refresh your s