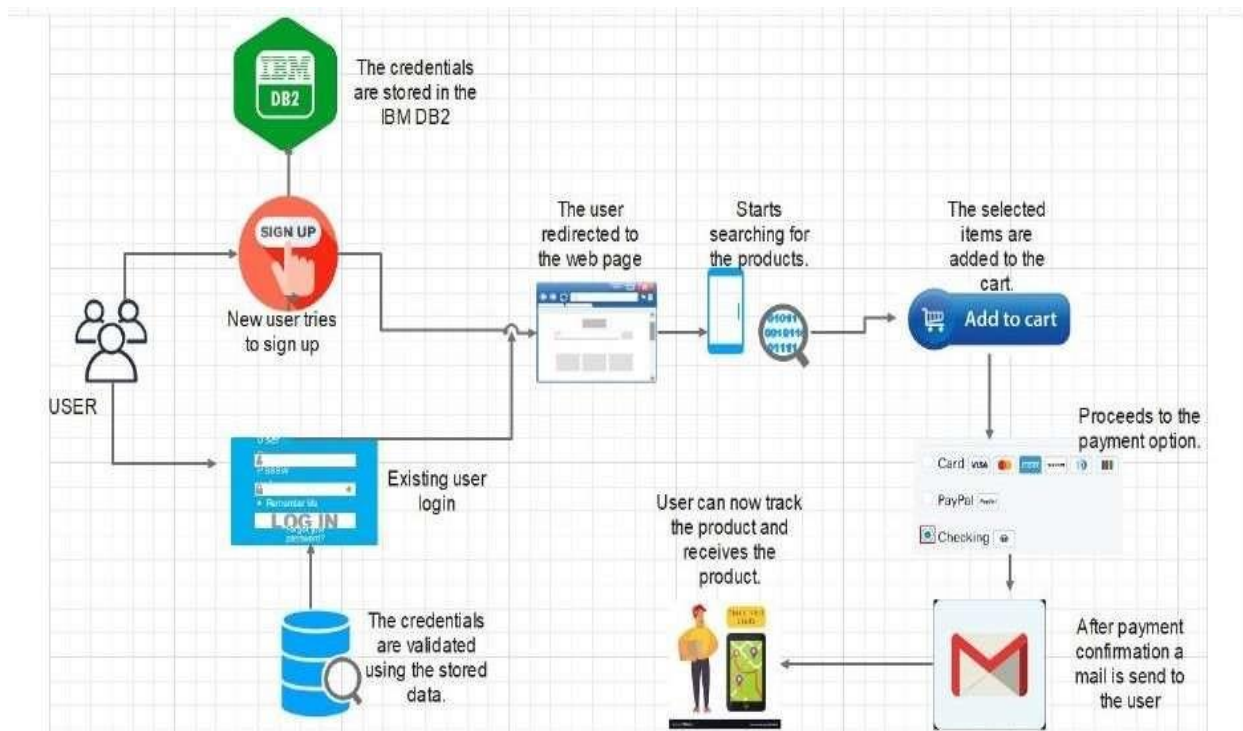


## Project Design Phase-I Solution Architecture

Date	16 May 2023
Team ID	NM2023TMID16483
Project Name	PAWS & CLAWS: THE PREMIER PET EMPORIUM

### Solution Architecture:



**1. Front-end web application:** This is the user-facing portion of the online pet shop that customers will use to browse and purchase products. The front-end may include features such as a search function, product categories, product pages with descriptions and images, shopping cart, and checkout process.

**2. Back-end server:** This component will handle the server-side logic of the application, such as processing customer orders, managing the inventory of products, and providing APIs for communication between the front-end and back-end.

**3. Database:** The database will store information about products, customers, orders, and other relevant data. The database can be hosted on a separate server or cloud service, such as Amazon Web Services or Microsoft Azure.

**4. Payment gateway:** This component will provide the functionality for customers to securely enter their payment information and complete transactions. Popular payment gateways include PayPal, Stripe, and Square.