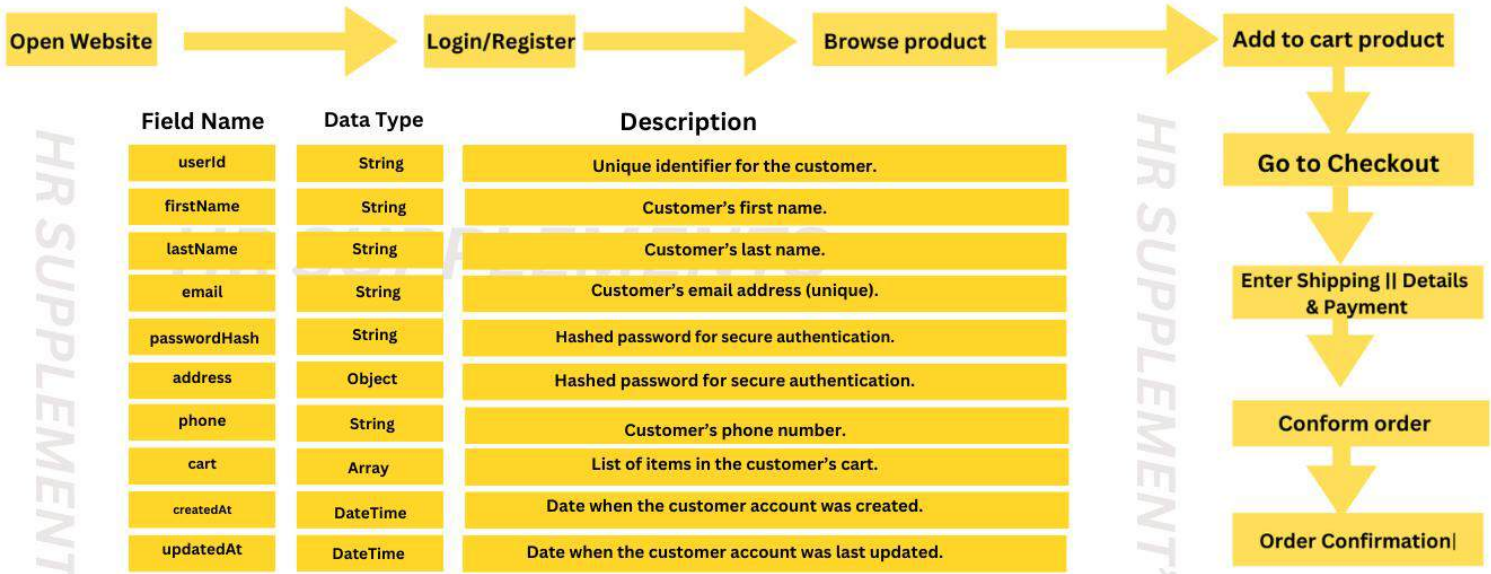
• *Customer Login and Purchase Flow*



Field Name	Data Type	Description
userId	String	Unique identifier for the customer.
firstName	String	Customer's first name.
lastName	String	Customer's last name.
email	String	Customer's email address (unique).
passwordHash	String	Hashed password for secure authentication.
address	Object	Hashed password for secure authentication.
phone	String	Customer's phone number.
cart	Array	List of items in the customer's cart.
createdAt	DateTime	Date when the customer account was created.
updatedAt	DateTime	Date when the customer account was last updated.

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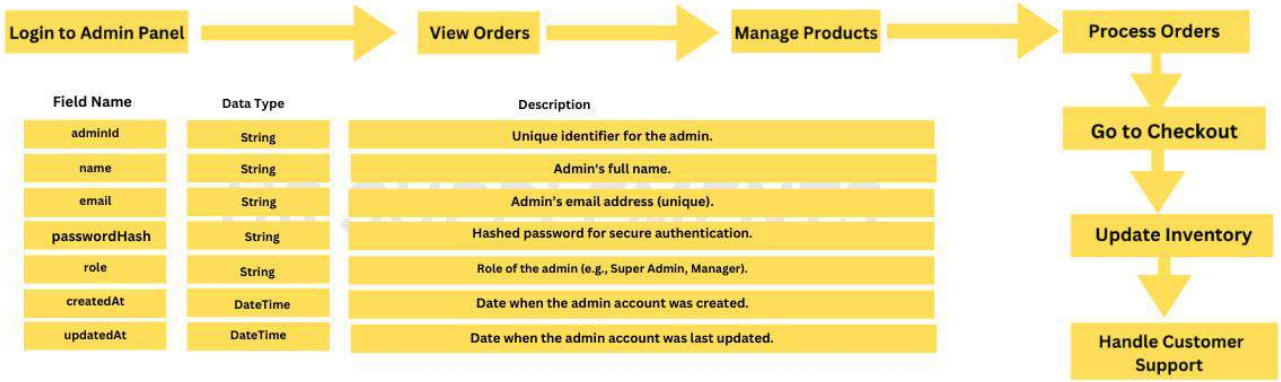
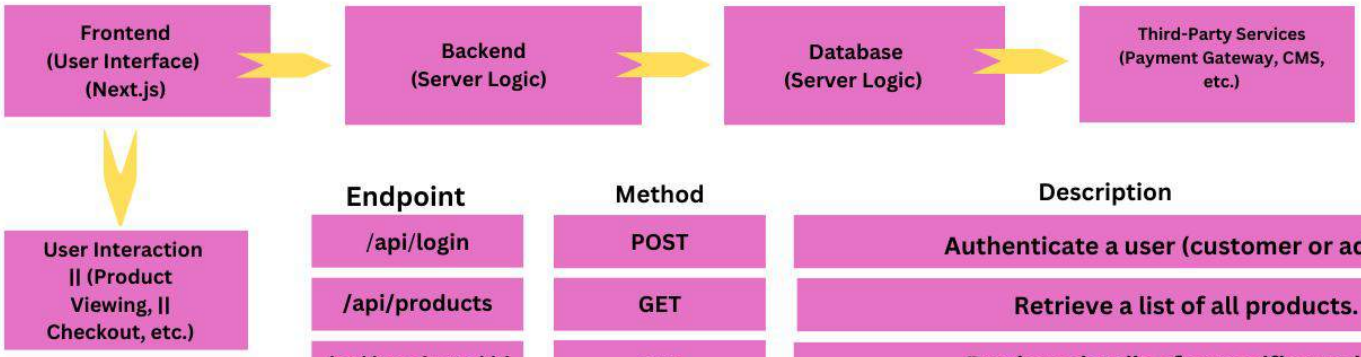
- ***Admin Workflow (Managing Products and Orders):***



Field Name	Data Type	Description
adminId	String	Unique identifier for the admin.
name	String	Admin's full name.
email	String	Admin's email address (unique).
passwordHash	String	Hashed password for secure authentication.
role	String	Role of the admin (e.g., Super Admin, Manager).
createdAt	DateTime	Date when the admin account was created.
updatedAt	DateTime	Date when the admin account was last updated.

- ***System Architecture Diagram***



Endpoint	Method	Description
/api/login	POST	Authenticate a user (customer or admin).
/api/products	GET	Retrieve a list of all products.
/api/products/:id	GET	Retrieve details of a specific product.
/api/cart	POST	Add an item to the customer's cart.
/api/cart	GET	Retrieve the customer's cart.
//api/orders	POST	Place an order.
/api/orders/:id	GET	Retrieve details of a specific order.
/api/admin/products	POST	Add a new product to the store.
/api/admin/products/:id	put	Update an existing product...
/api/admin/orders	GET	Retrieve a list of all orders.

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