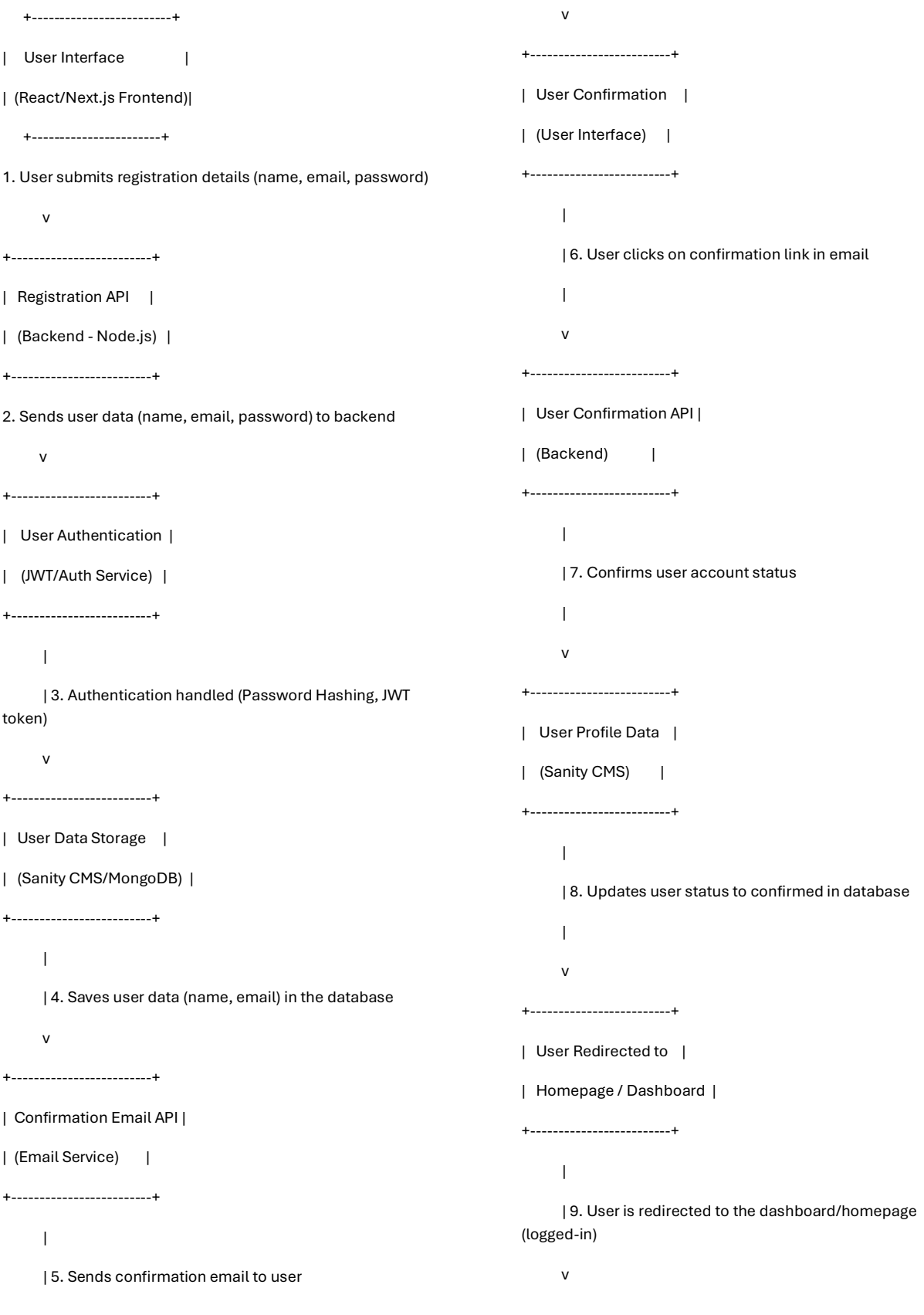
1.User Sign-Up Flow with Data Flow:



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| Logged-In State |

| (Frontend UI/State) |

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2. User Browses Products:

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| Product Categories |

| (React/Next.js Frontend) |

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|

| 1. User browses product categories

|

v

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| Fetch Product Data API |

| (Sanity CMS API) |

+-------------------------+

|

| 2. Frontend requests product data (categories, listings) from the backend

|

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| Sanity CMS (Backend) |

| (Product Data) |

+-------------------------+

|

| 3. Backend retrieves data from the database (product listings, details)

|

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| Return Data to Frontend|

| (Product Listings) |

+-------------------------+

|

| 4. Displays product categories and listings dynamically on the UI

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| User Interface |

| (React/Next.js Frontend) |

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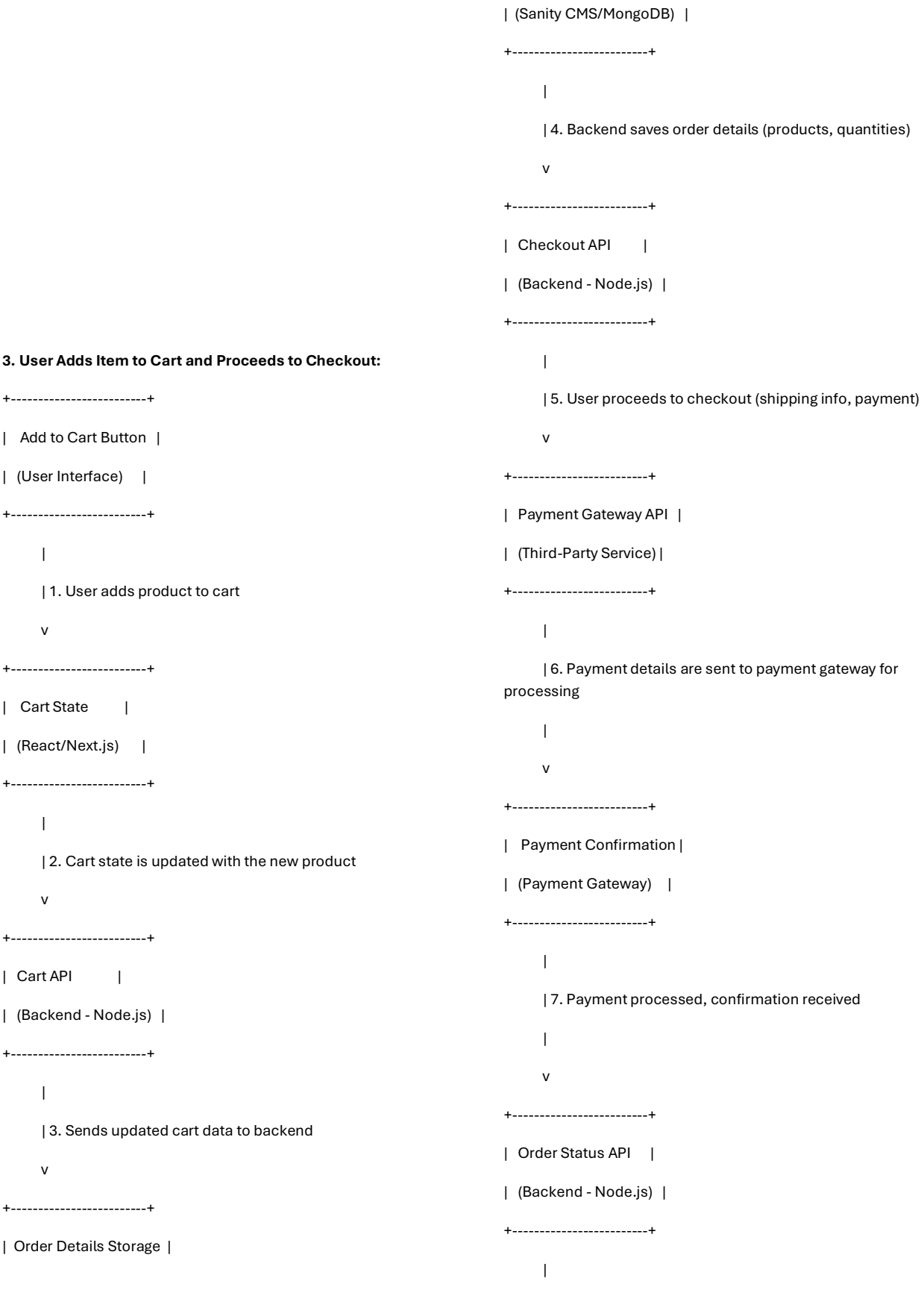
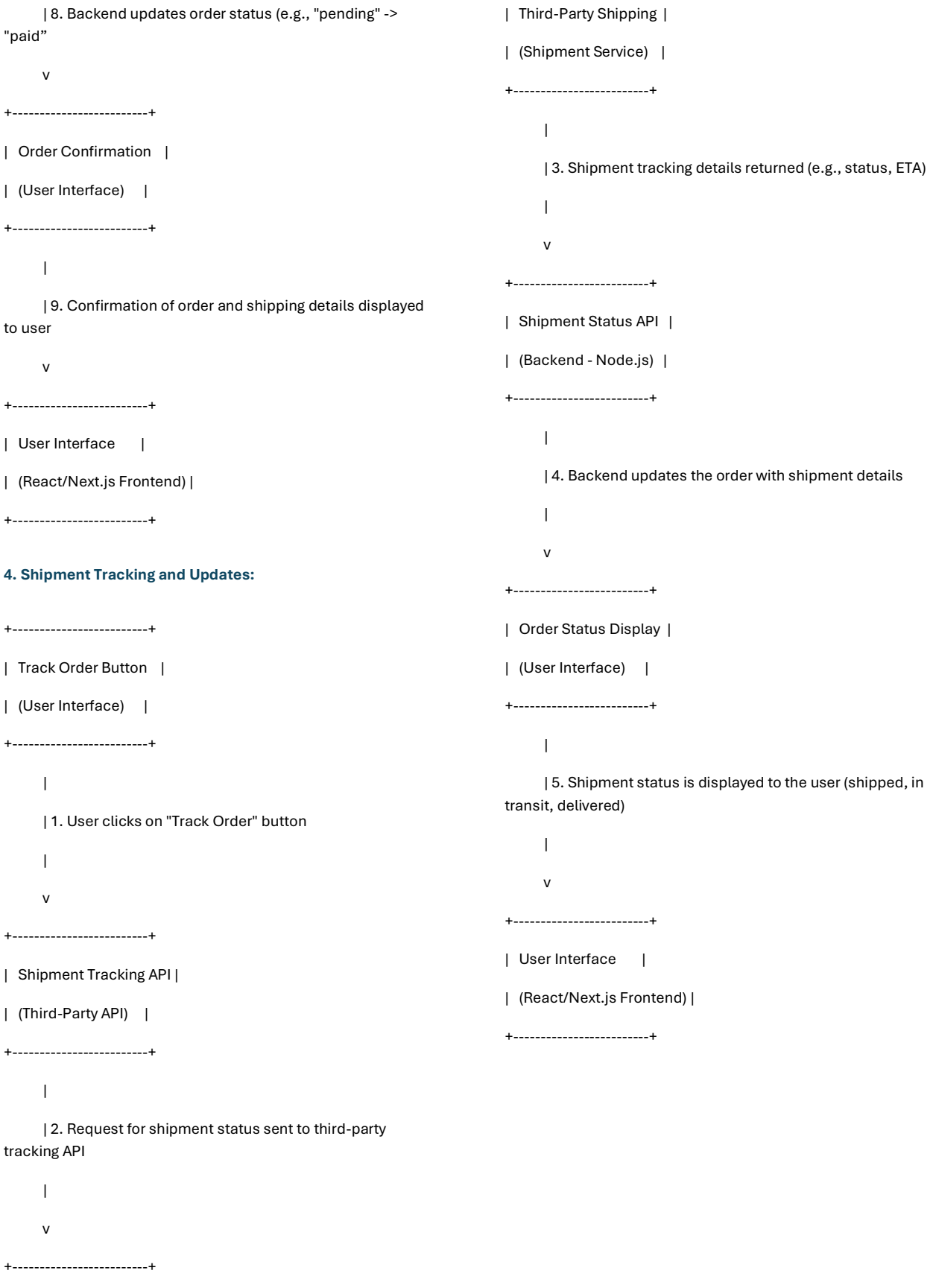
3. User Adds Item to Cart and Proceeds to Checkout:





4. Shipment Tracking and Updates: