**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

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| Date | 16 April 2025 |
| Team ID | SWTID1744825374 |
| Project Name | SB Foods Food ordering app |
| Maximum Marks | 4 Marks |

### ****Step 1: Select the Problem Statement****

**Problem Statement Chosen:**

To build a digital food ordering platform that simplifies the process of browsing, selecting, and ordering food online using modern web technologies.

**Why This Problem?**

* Traditional food ordering systems are time-consuming and lack flexibility.
* Students, office workers, and night-shift users often require quick ordering.
* There’s a gap in local eateries going digital affordably.

**Step-2: Brainstorm, Idea Listing and Grouping**

* Use React for frontend UI
* Use Node.js & Express for backend APIs
* Use MongoDB for storing food, users, and orders
* Cart functionality with quantity/size
* Simple login/signup system
* Add payment success popup
* Separate views for user and admin (future scope)
* Integrate images using Unsplash or Freepik
* Mobile-friendly interface with Bootstrap

**Frontend (UI/UX):**

* React for component-based UI
* Bootstrap + Material UI for responsiveness
* Image cards, carousel, navbar

**Backend (Functionality):**

* Node.js + Express API
* JWT Authentication
* MongoDB for data

**Core Features:**

* Browse & search food
* Add to cart
* Checkout with mock payment
* My Orders history

**Enhancements (Optional/Future):**

* Admin panel
* Ratings & reviews
* Payment gateway
* OTP login

**Step-3: Idea Prioritization**

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| Idea / Feature | Impact | Effort |
| React-based UI | High | Medium |
| Node/Express Backend | High | Medium |
| JWT Login/Signup | High | Medium |
| MongoDB Storage | High | Medium |
| Add to Cart | High | Medium |
| Checkout and Payment Simulation | High | Low |
| My Orders Page | High | Medium |
| Admin Panel | Medium | High |
| Razorpay/Stripe Integration | Medium | High |
| OTP Login | Low | High |
| Product Ratings/Reviews | Medium | Medium |