

| Event ID | Trigger | Source | Condition | Response | Destination |
|----------|-----------------------------|----------|---------------------------------|--------------------------------------|-------------|
| E1 | User registers / logs in | User | User provides valid credentials | System validates and confirms login | User |
| E2 | Browse meal plans | User | User requests available meals | System fetches meal plans | User |
| E3 | Add meal to cart | User | User selects meal | System updates cart | User |
| E4 | Place order | User | Cart contains valid items | System sends order request | Provider |
| E5 | Confirm availability | Provider | Meals available in stock | System updates order status | User |
| E6 | Make payment | User | User confirms payment | Payment processed, status returned | User |
| E7 | Notify provider about order | System | Payment successful | Provider receives order notification | Provider |