Sample Integration Plan

```
Search criteria  →  Enter criteria  →  Request data from
screen                                  GTA
                                         │
                                         ▼
                                  Provider Service
                                  (SearchHotelPriceRe
                                  quest)
                                         │
                                         ▼
                                  ⟨Are hotels          ──No──→  Display "No
                                   available⟩                   Availability"
                                         │                      Screen
                                        Yes
                                         │
                                         ▼
   Select hotel details ←── Display ────→ Customer selects
                            available hotels   hotel
         │                      ▲                │
         ▼                      │                ▼
   ┌───────────────────────────┐│         Get price break
   │  Get                      ││         down from GTA
   │  details      →  Display hotel             │
   │  from local      details                   ▼
   │  cache                            Provide Service
   │    │                              (HotelPriceBreak
   │    ▼                              downRequest)
   │  Provide Service ← Get hotel             │
   │  (ItemInformationDownloadReques  details  ▼
   │  t) Performed once at start-up for  from GTA  Display price
   │  full download and then daily for            breakdown
   │  incremental downloads                        │
   └───────────────────────────┘                   ▼
                                            Get Charge
                                            Conditions from
                                            GTA
                                               │
                                               ▼
                                       Provide Service
                                       (SearchChargeCon
                                       ditionsRequest)
                                               │
                                               ▼
                                        Display Charge
                                        Conditions
                                               │
                                               ▼
   Provider Service ← Get Charge          Book Hotel
   (SearchChargeCo    Conditions from        │
   nditionsRequest)   GTA                     ▼
         │              ▲              Send Booking
         │             Yes            Request to GTA
         ▼              │                    │
   Display Confirmation │                    ▼
   Screen with Charge   │            Provide Service
   Condition      ⟨Is Booking⟩ ──┐   (AddBookingRequest)
                   ⟨Confirmed⟩    │
                        │No       │
                        ▼         │
   Display Error ←──────┘         │
   Screen                         │
         │                        │
         ▼                        │
   Connect GTA to  →  Provider    │
   cancel             Process     │
   Reservation        (CancelBooki│
                      ngRequest)  │
```