# Sequence Diagram Process 1

| Client | Server | BranchAPI | Database |
|--------|--------|-----------|----------|

**Sign in/Log in**
- Client → Server: Log in
- Server → Database: Verify credentials
- Database ⇠ Server: Success
- Server ⇠ Client: Success

**Find Branch**
- Client → Server: Input postal code or Airport
- Server → BranchAPI: API Request to find nearest branch
- BranchAPI ⇠ Server: Send result
- Server ⇠ Client: Output nearest branch

**1. Search cars**
**2. Select Cars with options**
**3. View details**
- Client → Server: Request for vehicles
- Server → Database: Search for vehicles in branch
- Database ⇠ Server: Loads avaible vehicles
- Server ⇠ Client: Display vehicles
- Client → Client: View/Select vehicles with options

**1. Check availabilities**
**2. Compute price**
**3. Booking details**
- Client → Server: Select Vehicle
- Server → Database: Verify availabilities and details
- Database ⇠ Server: Success
- Server → Server: Compute price
- Server ⇠ Client: Booking details

**1. Confirm booking**
**2. Confirm payment**
- Client → Server: Confirm booking with payment info
- Server ⇠ Client: Booking confirmation
- Server → Database: Send reservation details