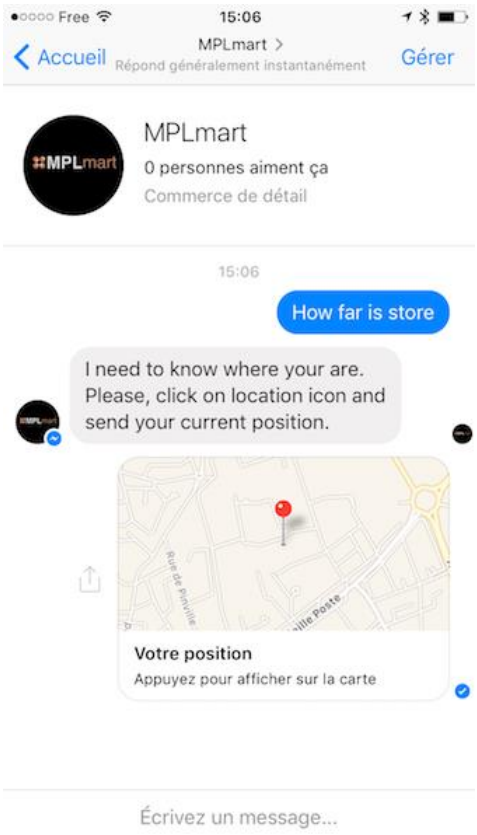
Scenario

Be able to get user location from Messenger, and use it in Conversation.



Steps

1. Detect location type message in middleware.before
2. Change payload subject and add conversation Context variable
3. Update message (change text, remove attachment) -> Can be done or not : same result
4. Call callback function

5. In Conversation, manage “location” type answer and get lat/lon from Context

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Code

```
middleware.before = function(message, conversationPayload, callback) {
    console.log("message before ");
    console.log(message);
    console.log("----------------------------------------");
    console.log("payload before ");
    console.log(conversationPayload);

    if (message.attachments) {
      if (message.attachments[0].type == "location")
      {
         try {
            console.log("Location detected. Attachement payload =");
            console.log(message.attachments[0].payload);

            conversationPayload.input.text = "location";
            conversationPayload.context.lat =
                  message.attachments[0].payload.coordinates.lat ;
            conversationPayload.context.long =
                  message.attachments[0].payload.coordinates.long;

            message.text = "location";
            delete message.attachments;

            console.log("New payload =");
            console.log(conversationPayload);
          } catch (error) {
                  console.error(error)
          };

       }
    }
    callback(null, conversationPayload);
  }
```

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Trace

- message and conversationPayload before (in middleware.before)

message before

```
{ text: undefined,
  user: '1172085072846787',
  channel: '1172085072846787',
  timestamp: 1484059678759,
  seq: 1282,
  mid: 'mid.1484059678759:be3fd2f138',
  attachments:
   [ { title: 'Christophe\'s Location',
       url: 'https://www.facebook.com/l.php?u=https%3A%2F%2Fwww.bing.com%2Fmaps%2Fde
       type: 'location',
       payload: [Object] } ],
  watsonData: { output: { text: [] } } }

----------------------------------------
```

payload before

```
{ workspace_id: '934773b3-ed68-43b3-aef2-ad3086ac587a',
  input: { text: undefined },
  context:
   { conversation_id: 'ec23a24d-585b-4758-b860-e246aef40511',
     system:
      { dialog_stack: [Object],
        dialog_turn_counter: 3,
        dialog_request_counter: 3,
        _node_output_map: [Object] },
     SQL_Result: '',
     SQL_Request: 'S
     Launch_Request: '',
     store: '3',
     lat: '',
     long: '' } }
```

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```
Location detected. Attachement payload =
 { coordinates: { lat: 43.617363970901, long: 3.9076015479928 } }


New payload =

 { workspace_id: '934773b3-ed68-43b3-aef2-ad3086ac587a',
   input: { text: 'location' },
   context:
    { conversation_id: 'ec23a24d-585b-4758-b860-e246aef40511',
      system:
       { dialog_stack: [Object],
         dialog_turn_counter: 3,
         dialog_request_counter: 3,
         _node_output_map: [Object] },
      SQL_Result: '',
      SQL_Request: 'S
      Launch_Request: '',
      store: '3',
      lat: 43.617363970901,
      long: 3.9076015479928 } }
```

- message and conversationResponse (in middleware.after)

```
----------------------------------------

 message after
 { text: 'location',
   user: '1172085072846787',
   channel: '1172085072846787',
   timestamp: 1484059678759,
   seq: 1282,
   mid: 'mid.1484059678759:be3fd2f138',
   watsonData: { output: { text: [] } } }

 ----------------------------------------

 response after
 { intents: [ { intent: 'store-distance', confidence: 1 } ],
   entities: [],
```

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```
    input: { text: 'location' },
    output:
     { log_messages: [],
       text: [ 'I understand that you are here: latitude 43.617363970901
                & longitude 3.9076015479928' ],
       nodes_visited: [ 'node_6_1483719981993' ] },
    context:
     { conversation_id: 'ec23a24d-585b-4758-b860-e246aef40511',
       system:
        { dialog_stack: [Object],
          dialog_turn_counter: 4,
          dialog_request_counter: 4,
          _node_output_map: [Object] },
       SQL_Result: '',
       SQL_Request: 'S
       Launch_Request: '',
       store: '3',
       lat: 43.617363970901,
       long: 3.9076015479928 } }
  No Query Order
```

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