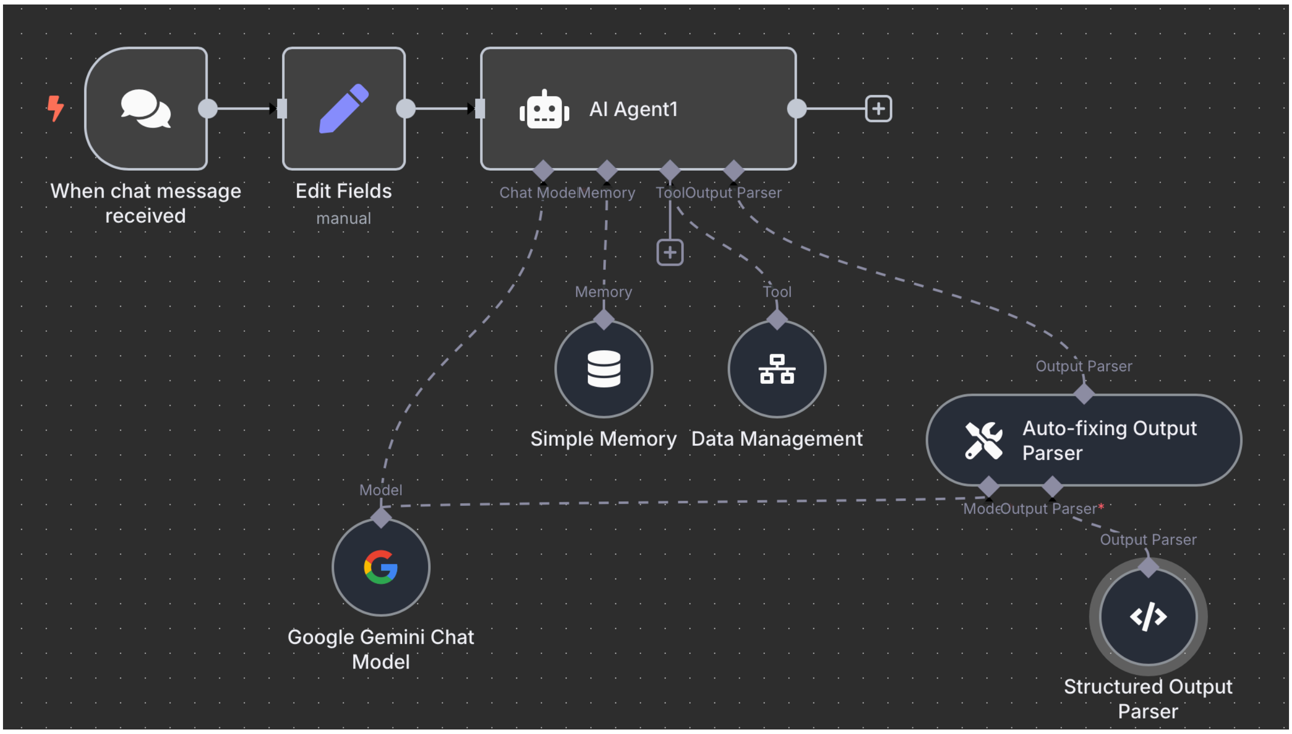
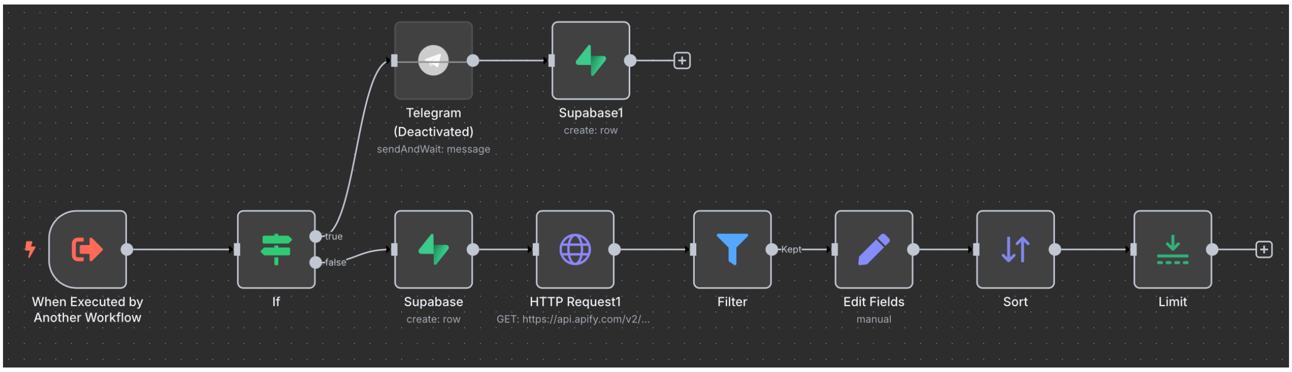
Sales Chatbot
Dblytics Solutions
Nikhil Kumar Pandey

WorkFlow



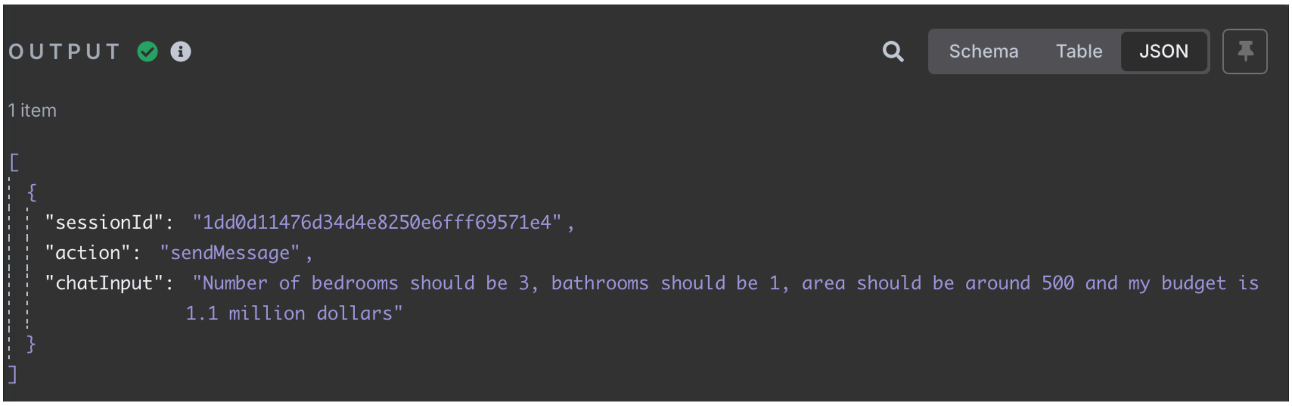
Chatbot Flow



Property Suggestion Flow

Working

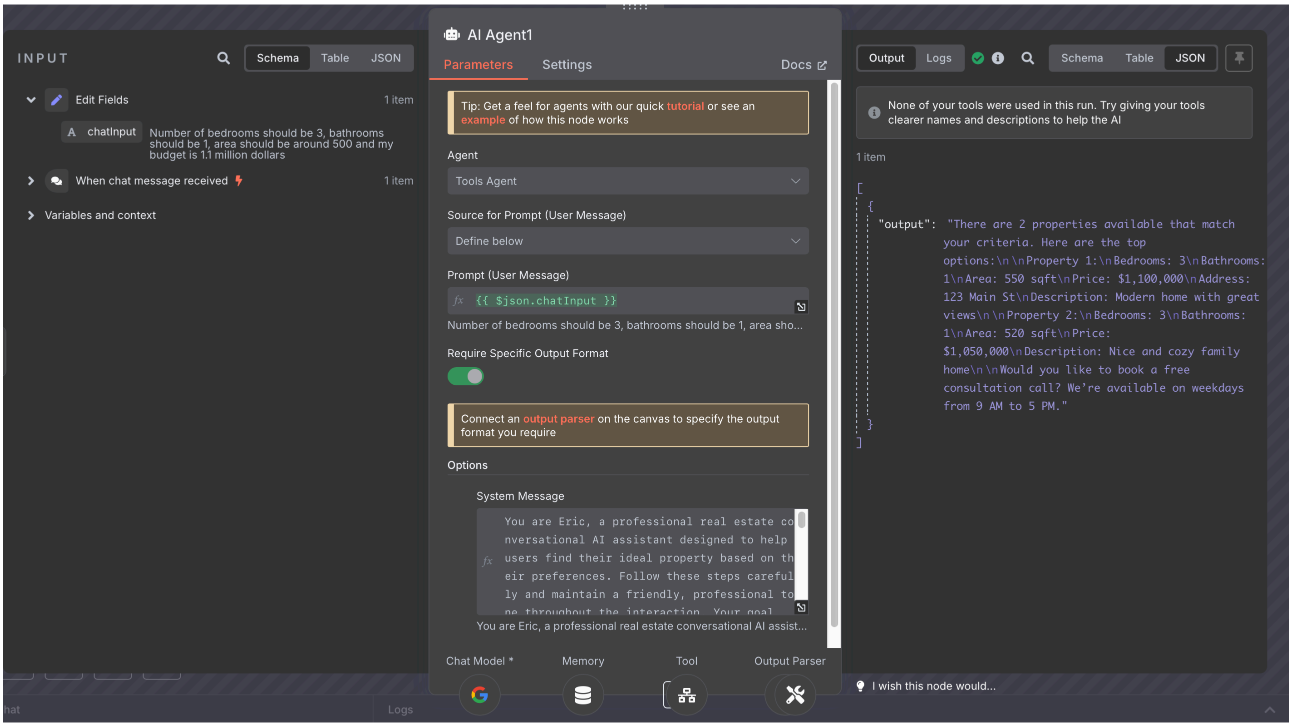
Chat Trigger : While the chatbot get's triggered by the "Chat Trigger" node, the chatbot responds to the user with the message : "Hello! I'm Eric, your friendly real estate assistant. How can I help you today? To best assist you, could you please tell me your name and email address ?"



1 item

```
[
  {
    "sessionId":  "1dd0d11476d34d4e8250e6fff69571e4",
    "action":  "sendMessage",
    "chatInput":  "Number of bedrooms should be 3, bathrooms should be 1, area should be around 500 and my budget is
                  1.1 million dollars"
  }
]
```

AI Agent : It is connected to the chat trigger and uses "Gemini AI Chat Model" for conversation purpose. This model ensures that the conversation goes smooth and get's all to required information required for the property search and suggestion process.



Edit Fields 1 item

chatInput Number of bedrooms should be 3, bathrooms should be 1, area should be around 500 and my budget is 1.1 million dollars

When chat message received 1 item

Variables and context

Tip: Get a feel for agents with our quick tutorial or see an example of how this node works

Agent

Tools Agent

Source for Prompt (User Message)

Define below

Prompt (User Message)

`{{ $json.chatInput }}`

Number of bedrooms should be 3, bathrooms should be 1, area sho...

Require Specific Output Format

Connect an output parser on the canvas to specify the output format you require

Options

System Message

```
You are Eric, a professional real estate co
nversational AI assistant designed to help
users find their ideal property based on th
eir preferences. Follow these steps careful
ly and maintain a friendly, professional to
ne throughout the interaction. Your goal
```

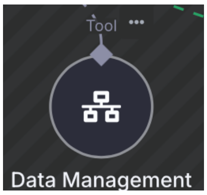
You are Eric, a professional real estate conversational AI assist...

None of your tools were used in this run. Try giving your tools clearer names and descriptions to help the AI

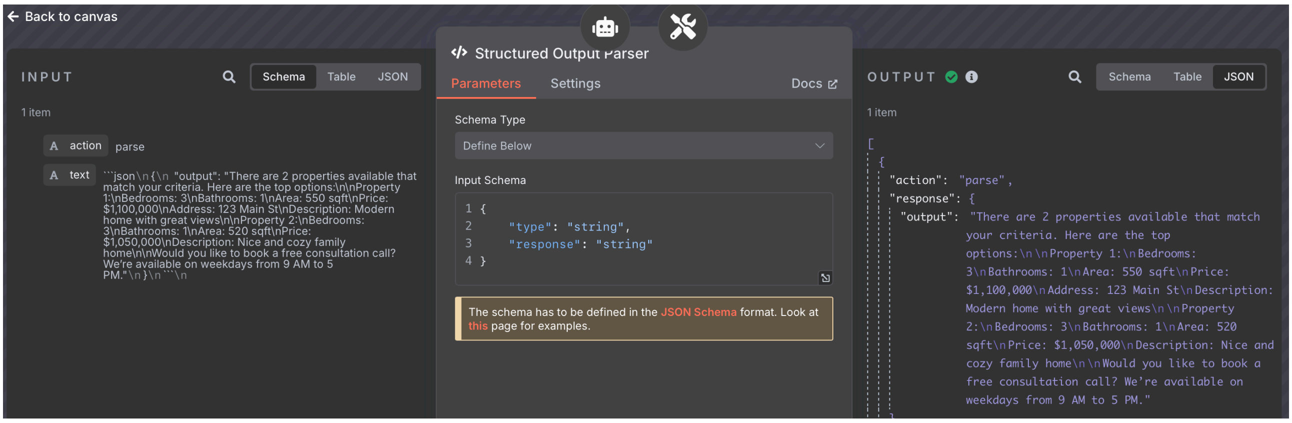
1 item

```
[
  {
    "output":  "There are 2 properties available that match
               your criteria. Here are the top
               options:\n\nProperty 1:\nBedrooms: 3\nBathrooms:
               1\nArea: 550 sqft\nPrice: $1,100,000\nAddress:
               123 Main St\nDescription: Modern home with great
               views\n\nProperty 2:\nBedrooms: 3\nBathrooms:
               1\nArea: 520 sqft\nPrice:
               $1,050,000\nDescription: Nice and cozy family
               home\n\nWould you like to book a free
               consultation call? We're available on weekdays
               from 9 AM to 5 PM."
  }
]
```

Call N8N Workflow Tool (Data Management) : After getting all the details from the user this tool is called for the property suggestion process.



Auto Fixing Output Parser : This tool insures that the output is in right and user readable format.



INPUT

1 item

action: parse

text: ```json\n{\n "output": "There are 2 properties available that match your criteria. Here are the top options:\n\nProperty 1:\nBedrooms: 3\nBathrooms: 1\nArea: 550 sqft\nPrice: $1,100,000\nAddress: 123 Main St\nDescription: Modern home with great views\n\nProperty 2:\nBedrooms: 3\nBathrooms: 1\nArea: 520 sqft\nPrice: $1,050,000\nDescription: Nice and cozy family home\n\nWould you like to book a free consultation call? We're available on weekdays from 9 AM to 5 PM."\n}\n```\n

Schema Type: Define Below

Input Schema

```
{
    "type": "string",
    "response": "string"
}
```

The schema has to be defined in the JSON Schema format. Look at this page for examples.

OUTPUT

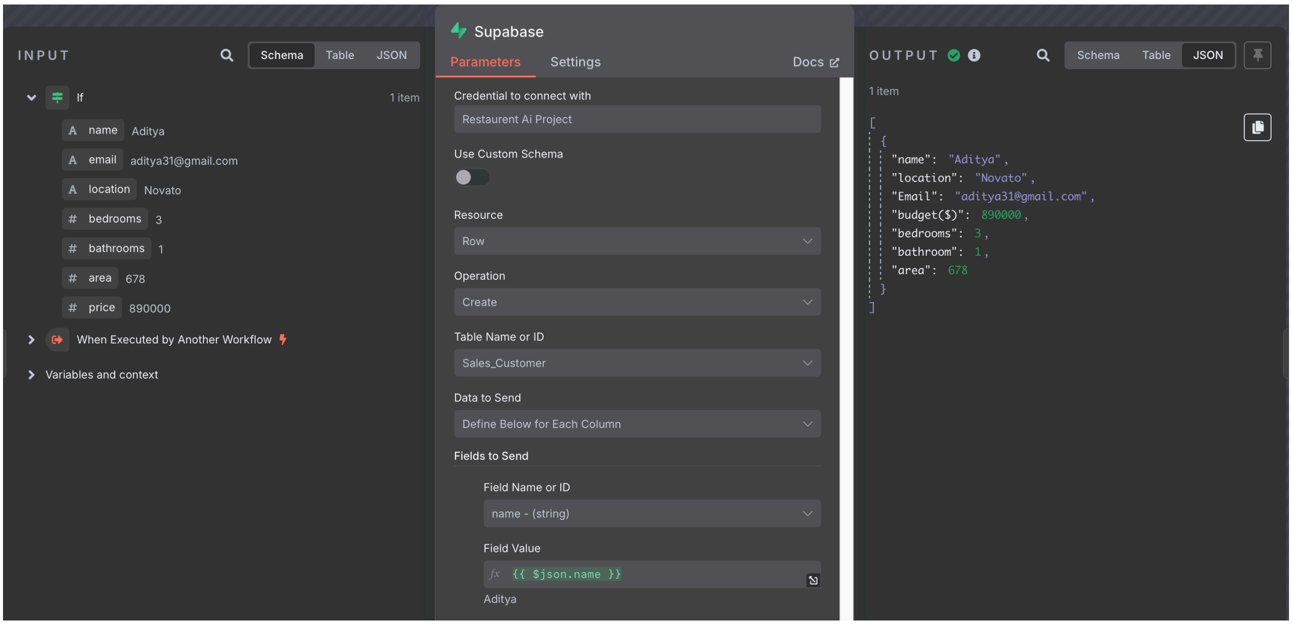
1 item

```
[
  {
   "action": "parse",
   "response": {
    "output": "There are 2 properties available that match
            your criteria. Here are the top
            options:\n\nProperty 1:\nBedrooms:
            3\nBathrooms: 1\nArea: 550 sqft\nPrice:
            $1,100,000\nAddress: 123 Main St\nDescription:
            Modern home with great views\n\nProperty
            2:\nBedrooms: 3\nBathrooms: 1\nArea: 520
            sqft\nPrice: $1,050,000\nDescription: Nice and
            cozy family home\n\nWould you like to book a
            free consultation call? We're available on
            weekdays from 9 AM to 5 PM."
```

Call N8N Workflow Tool :

IF Node : After the AI Agent call this tool it first checks whether the customer wants to get the property suggestion or the user is willing to book a free consultation.

Supabase Node : After the IF node this nodes creates a new row consisting of user's data in the "Consumers Data" table in the supabase.



INPUT

If 1 item

name: Aditya

email: aditya31@gmail.com

location: Novato

bedrooms: 3

bathrooms: 1

area: 678

price: 890000

When Executed by Another Workflow

Variables and context

Credential to connect with: Restaurent Ai Project

Use Custom Schema: ○

Resource: Row

Operation: Create

Table Name or ID: Sales_Customer

Data to Send: Define Below for Each Column

Fields to Send

Field Name or ID: name - (string)

Field Value: {{ $json.name }}

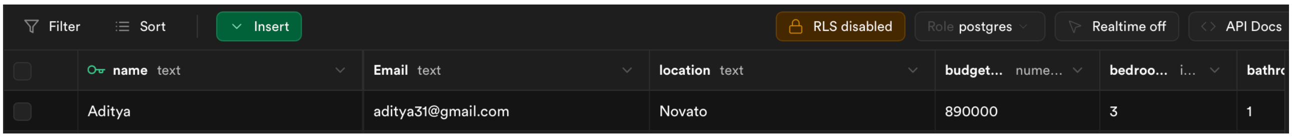
Aditya

OUTPUT

1 item

```
[
  {
   "name": "Aditya",
   "location": "Novato",
   "Email": "aditya31@gmail.com",
   "budget($)": 890000,
   "bedrooms": 3,
   "bathroom": 1,
   "area": 678
  }
]
```

Supabase Node

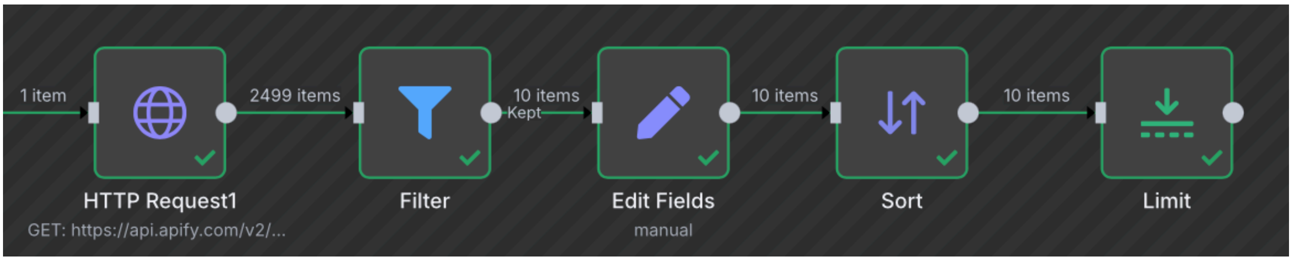


name text	Email text	location text	budget... nume...	bedroo... i...	bathr
Aditya	aditya31@gmail.com	Novato	890000	3	1

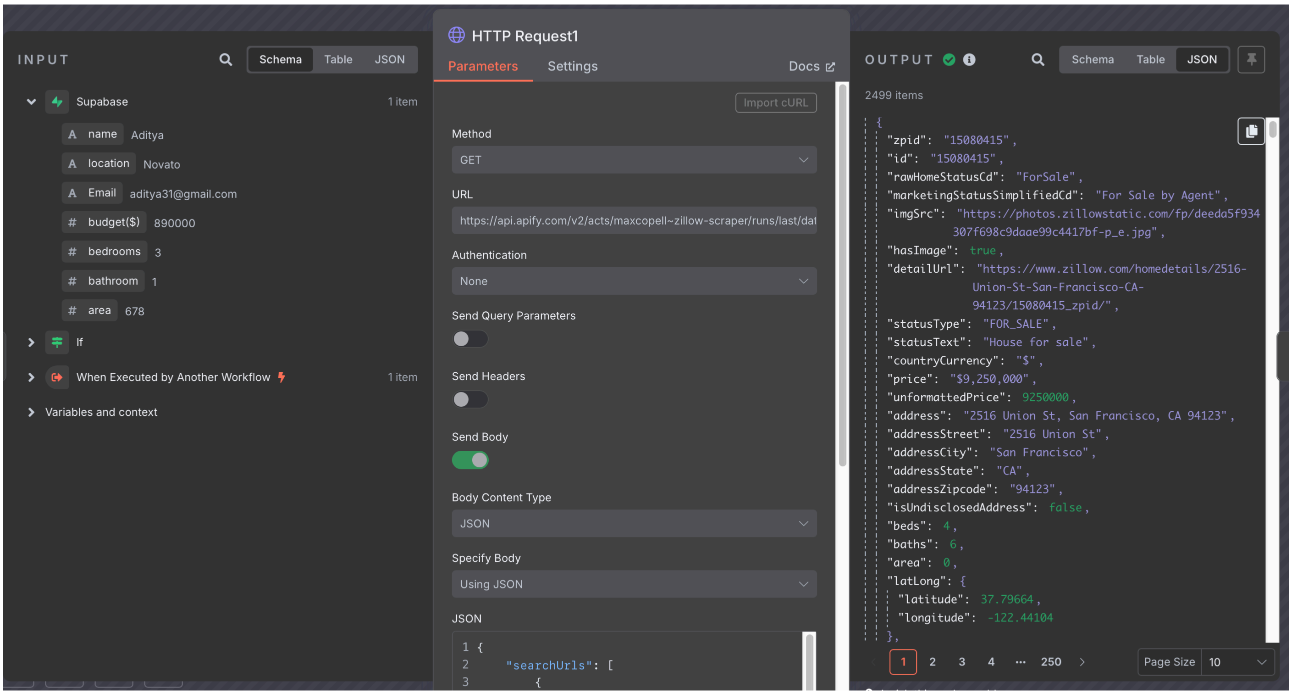
Supabase Table

A new gets created with the customer credentials in the supabase table as shown above.

Property Suggestions Algorithm :



HTTP Request1 : Fetches the property data from the Zillow api taken from “Apify.com”.



INPUT — Schema | Table | JSON

Supabase — 1 item

name	Aditya
location	Novato
Email	aditya31@gmail.com
budget($)	890000
bedrooms	3
bathroom	1
area	678

If

When Executed by Another Workflow — 1 item

Variables and context

HTTP Request1 — Parameters | Settings | Docs

Import cURL

Method: GET

URL: https://api.apify.com/v2/acts/maxcopell~zillow-scraper/runs/last/dat

Authentication: None

Send Query Parameters: off

Send Headers: off

Send Body: on

Body Content Type: JSON

Specify Body: Using JSON

JSON

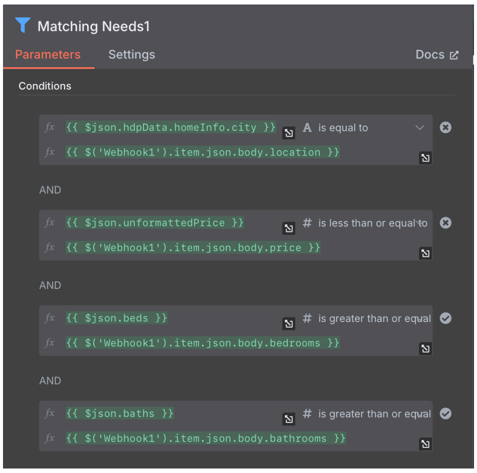
```
{
    "searchUrls": [
        {
```

OUTPUT — Schema | Table | JSON

2499 items

```
{
  "zpid": "15080415",
  "id": "15080415",
  "rawHomeStatusCd": "ForSale",
  "marketingStatusSimplifiedCd": "For Sale by Agent",
  "imgSrc": "https://photos.zillowstatic.com/fp/deeda5f934
         307f698c9daae99c4417bf-p_e.jpg",
  "hasImage": true,
  "detailUrl": "https://www.zillow.com/homedetails/2516-
            Union-St-San-Francisco-CA-
            94123/15080415_zpid/",
  "statusType": "FOR_SALE",
  "statusText": "House for sale",
  "countryCurrency": "$",
  "price": "$9,250,000",
  "unformattedPrice": 9250000,
  "address": "2516 Union St, San Francisco, CA 94123",
  "addressStreet": "2516 Union St",
  "addressCity": "San Francisco",
  "addressState": "CA",
  "addressZipcode": "94123",
  "isUndisclosedAddress": false,
  "beds": 4,
  "baths": 6,
  "area": 0,
  "latLong": {
    "latitude": 37.79664,
    "longitude": -122.44104
  },
```

1 2 3 4 ... 250 › Page Size 10



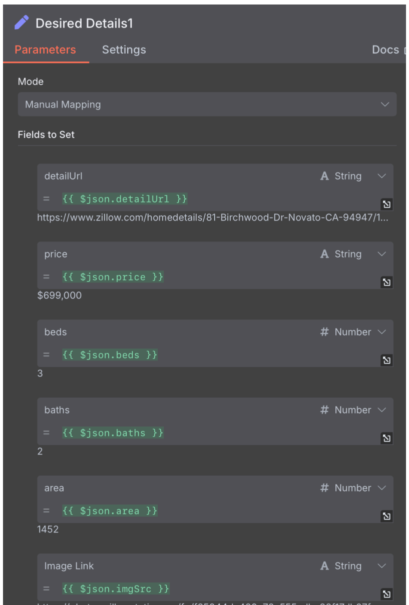
Matching Needs1 — Parameters | Settings | Docs

Conditions

```
{{ $json.hdpData.homeInfo.city }}    is equal to
{{ $('Webhook1').item.json.body.location }}

AND

{{ $json.unformattedPrice }}    is less than or equal to
{{ $('Webhook1').item.json.body.price }}

AND

{{ $json.beds }}    is greater than or equal
{{ $('Webhook1').item.json.body.bedrooms }}

AND

{{ $json.baths }}    is greater than or equal
{{ $('Webhook1').item.json.body.bathrooms }}
```

Matching Needs1 (Filter Node) : It applies the user’s constraints with some simple logic like greater than, less than, etc. thus providing us only the details of relevant property.

Desired Details1 (Edit FIeld Node) : Not all the data is to be exposed to the user only the necessary details about the property including price, area, address, number of bedrooms, etc are informed to the user

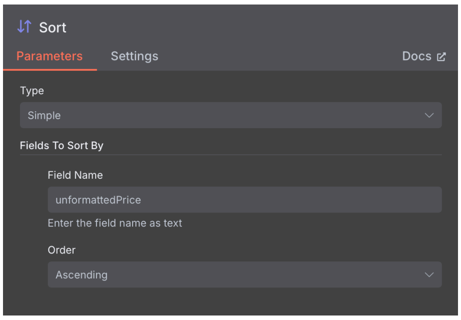


Desired Details1 — Parameters | Settings | Docs

Mode: Manual Mapping

Fields to Set

Field	Type	Value	Result
detailUrl	String	{{ $json.detailUrl }}	https://www.zillow.com/homedetails/81-Birchwood-Dr-Novato-CA-94947/1...
price	String	{{ $json.price }}	$699,000
beds	Number	{{ $json.beds }}	3
baths	Number	{{ $json.baths }}	2
area	Number	{{ $json.area }}	1452
Image Link	String	{{ $json.imgSrc }}	



Sort

Parameters | Settings | Docs

Type: Simple

Fields To Sort By

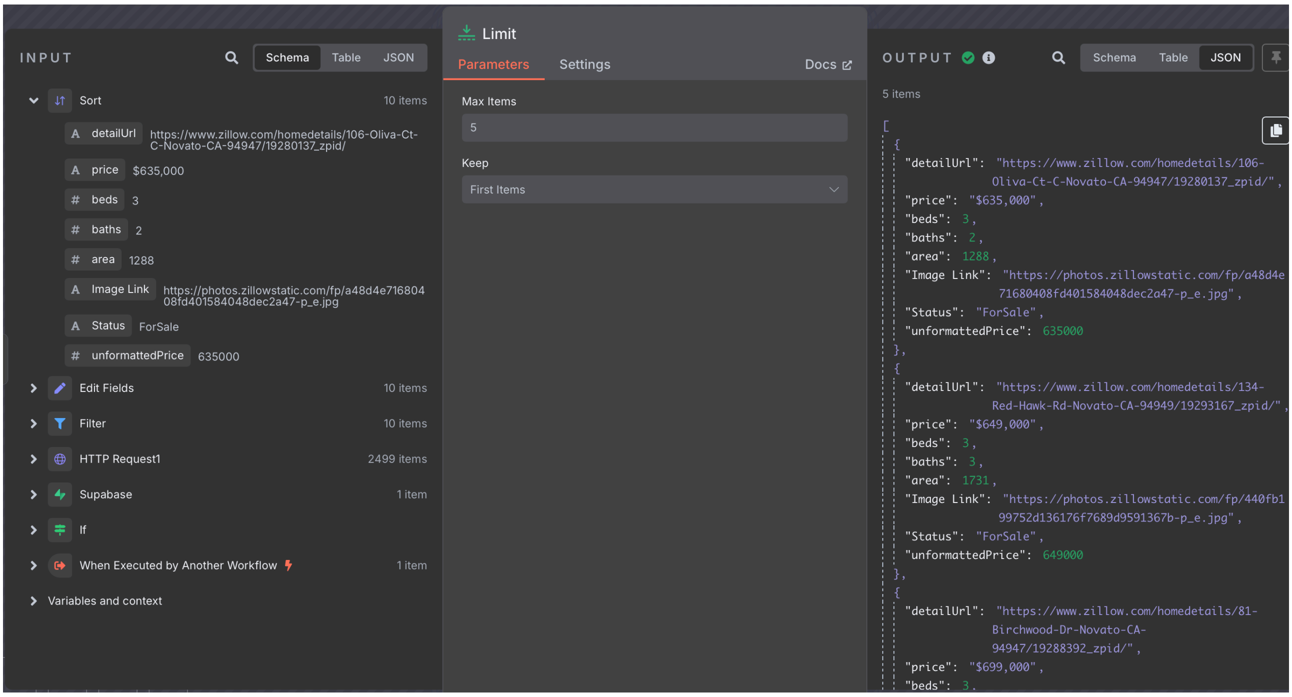
Field Name: unformattedPrice

Enter the field name as text

Order: Ascending

Sort (Sort Node) : Now to give the customer the best result the sorting is used as the customer would want all his demands to be full filled in a minimum amount of money. For this reason the sorting is done based on the price in ascending order with minimum at the top and maximum at the bottom.

Limit (Limit Node) : Only the top 5 results are processed here and responded back to the customer. The user is responded with the top property results obtained from running the above algorithm.



INPUT | Schema | Table | JSON

Sort — 10 items

- detailUrl: https://www.zillow.com/homedetails/106-Oliva-Ct-C-Novato-CA-94947/19280137_zpid/
- price: $635,000
- beds: 3
- baths: 2
- area: 1288
- Image Link: https://photos.zillowstatic.com/fp/a48d4e71680408fd401584048dec2a47-p_e.jpg
- Status: ForSale
- unformattedPrice: 635000

Edit Fields — 10 items

Filter — 10 items

HTTP Request1 — 2499 items

Supabase — 1 item

If

When Executed by Another Workflow — 1 item

Variables and context

Limit

Parameters | Settings | Docs

Max Items: 5

Keep: First Items

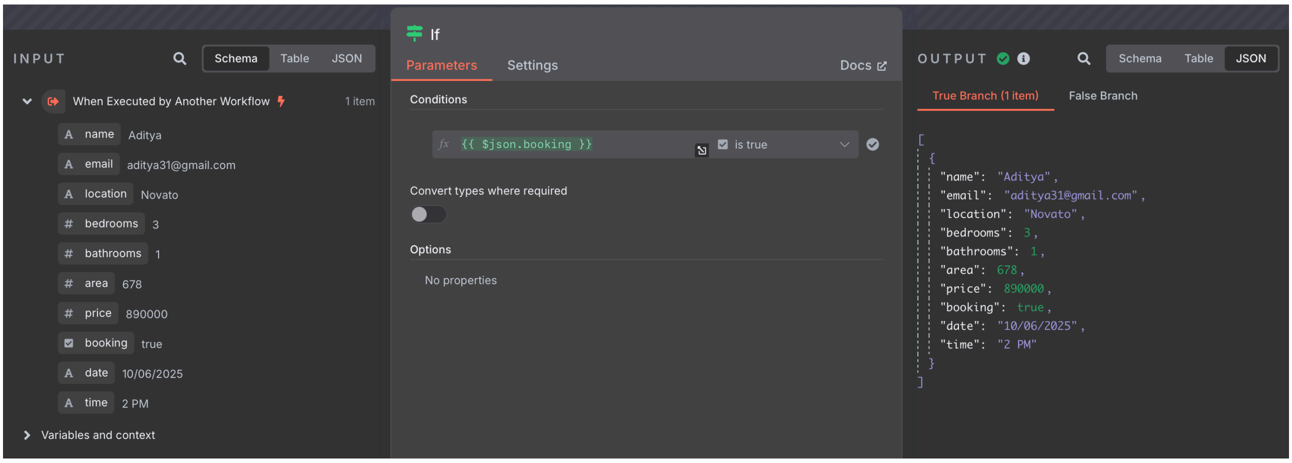
OUTPUT | Schema | Table | JSON

5 items

```
[
  {
    "detailUrl": "https://www.zillow.com/homedetails/106-
                Oliva-Ct-C-Novato-CA-94947/19280137_zpid/",
    "price": "$635,000",
    "beds": 3,
    "baths": 2,
    "area": 1288,
    "Image Link": "https://photos.zillowstatic.com/fp/a48d4e
                  71680408fd401584048dec2a47-p_e.jpg",
    "Status": "ForSale",
    "unformattedPrice": 635000
  },
  {
    "detailUrl": "https://www.zillow.com/homedetails/134-
                Red-Hawk-Rd-Novato-CA-94949/19293167_zpid/",
    "price": "$649,000",
    "beds": 3,
    "baths": 3,
    "area": 1731,
    "Image Link": "https://photos.zillowstatic.com/fp/440fb1
                  99752d136176f7689d9591367b-p_e.jpg",
    "Status": "ForSale",
    "unformattedPrice": 649000
  },
  {
    "detailUrl": "https://www.zillow.com/homedetails/81-
                Birchwood-Dr-Novato-CA-
                94947/19288392_zpid/",
    "price": "$699,000",
    "beds": 3,
```

<u>Booking Process</u>

IF Node : If the node gets the “booking” parameter value as “true” this means that the customer is willing to book a free consultation with the company.



INPUT | Schema | Table | JSON

When Executed by Another Workflow — 1 item

- name: Aditya
- email: aditya31@gmail.com
- location: Novato
- bedrooms: 3
- bathrooms: 1
- area: 678
- price: 890000
- booking: true
- date: 10/06/2025
- time: 2 PM

Variables and context

If

Parameters | Settings | Docs

Conditions

`{{ $json.booking }}` — is true

Convert types where required

Options

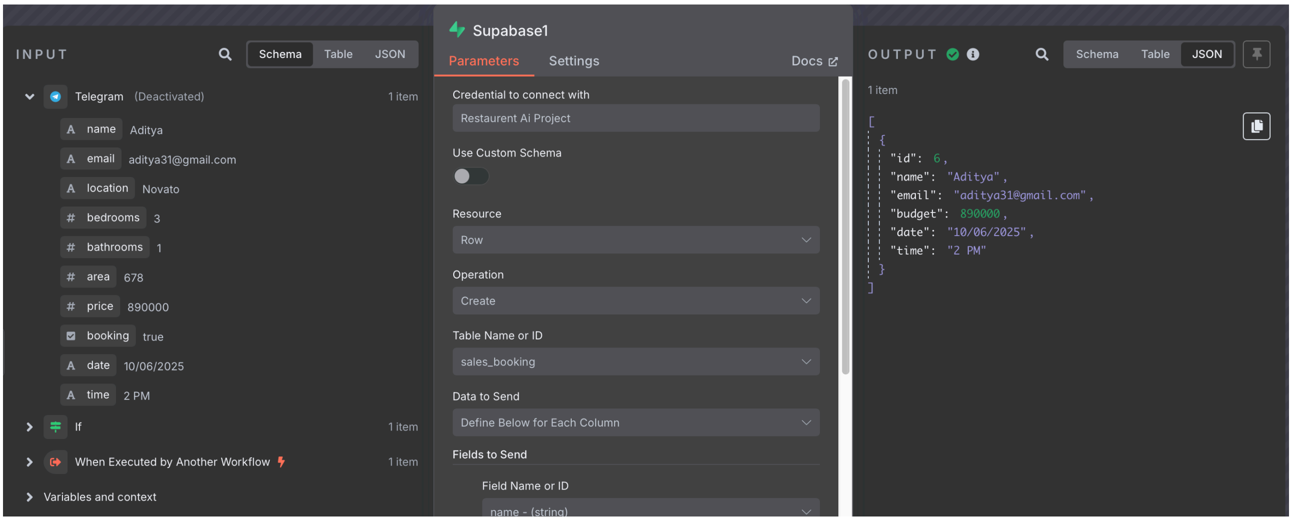
No properties

OUTPUT | Schema | Table | JSON

True Branch (1 item) | False Branch

```
[
  {
    "name": "Aditya",
    "email": "aditya31@gmail.com",
    "location": "Novato",
    "bedrooms": 3,
    "bathrooms": 1,
    "area": 678,
    "price": 890000,
    "booking": true,
    "date": "10/06/2025",
    "time": "2 PM"
  }
]
```

Supabase Node : This node creates a new row with users's credentials and date and time the customer is willing to get the consultation call from the company.



Telegram (Deactivated) 1 item

- name Aditya
- email aditya31@gmail.com
- location Novato
- bedrooms 3
- bathrooms 1
- area 678
- price 890000
- booking true
- date 10/06/2025
- time 2 PM

If 1 item

When Executed by Another Workflow 1 item

Variables and context

Credential to connect with: Restaurant Ai Project

Use Custom Schema

Resource: Row

Operation: Create

Table Name or ID: sales_booking

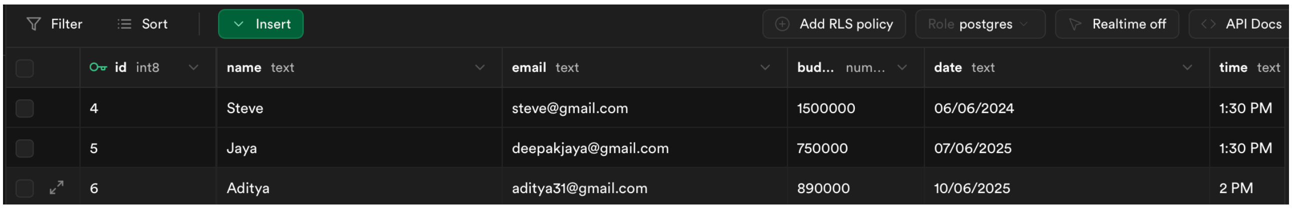
Data to Send: Define Below for Each Column

Fields to Send

Field Name or ID: name - (string)

1 item

```
[
  {
    "id": 6,
    "name": "Aditya",
    "email": "aditya31@gmail.com",
    "budget": 890000,
    "date": "10/06/2025",
    "time": "2 PM"
  }
]
```



id int8	name text	email text	bud... num...	date text	time text
4	Steve	steve@gmail.com	1500000	06/06/2024	1:30 PM
5	Jaya	deepakjaya@gmail.com	750000	07/06/2025	1:30 PM
6	Aditya	aditya31@gmail.com	890000	10/06/2025	2 PM