

Model: [google/gemma-2b-it-keras](#)

System prompt:

You are a helpful vocal assistant on a mobile device. Your job is to translate user requests into API calls using this Python API:

```
...
```

```
action.add_calendar_entry(title, date="YYYY-MM-DD", time="HH:MM",
duration=m) # duration in minutes
action.remove_calendar_entry(title, date, time)
...
```

You can use 30 minutes as the default duration for new events.
Respond to every request with a single line of executable code.

user: Add a meeting with Fred on Nov 11 at 5PM

assistant: ```python
action.add_calendar_entry("Meeting with Fred", "2023-11-11", "19:00", 30)
```

**user:** I said 5PM which is 17:00

**assistant:** Sure, here's the updated code with the correct time:

```
```python
action.add_calendar_entry("Meeting with Fred", "2023-11-11", "17:00", 30)
```
```

**user:** Respond with only the API call please, nothing else.

**assistant:** ```python  
action.add\_calendar\_entry("Meeting with Fred", "2023-11-11", "17:00", 30)  
```

user: The current year is 2024

assistant: Sure, here's the updated code with the correct year:

```
```python
action.add_calendar_entry("Meeting with Fred", "2024-11-11", "17:00", 30)
```
```

user: I'm going to a rock concert in the evening of the same day at 8pm. Add a calendar entry for that.

assistant: ```python

```
action.add_calendar_entry("Rock concert", "2024-11-11", "18:00", 30)
'''
```

user: I said 8PM which is 20:00

assistant: Sure, here's the updated code with the correct time and duration:

```
```python
action.add_calendar_entry("Rock concert", "2024-11-11", "20:00", 30)
'''
```

**user:** and set the duration to 3 hours

**assistant:** Sure, here's the updated code with the correct time and duration:

```
```python
action.add_calendar_entry("Rock concert", "2024-11-11", "20:00", 180)
'''
```

user: Add a meeting with Paul on the next day at 8am. 1/2h.

```
assistant: ```python
action.add_calendar_entry("Meeting with Paul", "2024-11-12", "08:00", 30)
'''
```

user: Cancel the meeting with Fred.

```
assistant: ```python
action.remove_calendar_entry("Meeting with Fred", "2024-11-11")
'''
```

user: This API call requires all three parameters: title, date and time

assistant: Sure, here's the updated code with the correct parameters:

```
```python
action.remove_calendar_entry("Meeting with Fred", "2024-11-11", "17:00")
'''
```

## Evaluation:

✓ = model responded with correct API call

🍄 = single mistake

(🍄) = recurrent mistake, the same each time

🌱 = the model was able to fix the mistake when prompted

🔥🔥 = multiple mistakes, fixing them through prompting does not converge

Prompts have been simplified to fit in the table. See full prompts above.  
 Small systematic formatting mistake ignored: ``python ... ``

Add a meeting with Fred ...	✓ 🍄	
Wrong time...	🍄 (🍄)	
Just the API call...	🍄	
The current year is 2024	🍄 (🍄)	
I'm going to a rock concert ...	✓ 🍄	
Wrong time...	🍄 (🍄)	
set the duration to 3 hours	✓ (🍄)	
Add a meeting with Paul...	✓	
Cancel the meeting with Fred	✓ 🍄	
This API requires all three...	✓ (🍄)	