(slide 1)

Hello everyone,

I’ll introduce Korean Trip Planner chatbot

(slide 2)  
**Goal of Target Audience (Description of a Goal)**

Jane's goal is to plan a memorable and efficient 10-day trip to Korea. She wants to explore major cities like Seoul, Busan, visit key cultural sites, enjoy local foods, and capture beautiful photos. Jane seeks an itinerary that maximizes her experiences without wasting time on unnecessary travel between destinations.

**Obstacle (Description of an Obstacle)**

One significant obstacle Jane faces is her unfamiliarity with the geographical distances and travel logistics between Korean cities. This lack of knowledge makes it challenging for her to efficiently plan the sequence of destinations, often leading to inefficient travel routes and missed opportunities to visit must-see attractions.

So, the 'Korea Trip Planner' aims to make Jane's travel planning process smooth, enjoyable, and effective, ultimately enhancing her overall travel experience.

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Let's talk about measurable effects,  
How readable the travel plans created by the chatbot are /  
and how well the route is laid out without any back and forth.

(Slide 4)

Here is the code I created before using the Chatbot framework.

When I gave commands to the system, I injected some excerpts of csv file data from the Korean Cultural Information Centre.

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In total, I went through six steps, adding one sentence at a time and analysing how the results changed.  
Detailed analytics can be found in the report.

(Slide 6)  
Doesn't accept all commands as they get longer.

The formatting is inconsistent.

Therefore, I added, modified, deleted, and reordered the command code.

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I tested again with this modified command

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then I modified it around five times until I got the format I wanted.

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Commanded in bold for readability, but it doesn't work well in HTML files, so I need to command it in HTML format

(Slide 10)  
The main commands are listed above

(Slide 11)  
After making multiple requests and training, I ended up with the following results

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I asked test users to go into the link and ask questions about their travel plans about Korea

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The test user 1 looks like this

The above commands were used to extract the travel route through GPT-4

So we know it is making an inefficient travel plan – like going west, then south, then west, then south, then west again

To explain why assistant tells other cities when user just asks about Seoul  
- Since there is not enough place information related to Seoul in the system

And

Gpt doesn't take latitude and longitude into account, and it seems to have already volatilised that information,

So I need to change the command or put a lot of data sets related to Seoul

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When the test user 2 asked ‘what’ souvenirs she could buy, a chabot recommended “places” related to souvenirs.

I could see that the chatbot was fulfilling its role as a Korean trip planner.

Also, the route was not inefficient.

You can find more detailed analyses in my report.

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Test user 3 asked to recommend a place to see the stars in the night sky, but it suggested the kind of wrong place.

This can be attributed to the insufficient dataset.

And the inefficient route is the same reason as test user 1.

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When the user enters a dangerous command, the assistant are humorously answered because it is given the role of Korean trip planner and there are commands to respond humorously

Also

We can check emojis following the “Always incorporate emojis” command

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I learnt from this project that the longer commands don't cover everything, and that the user's logs, not just the commands, have an impact.

So the main thing I want to emphasise is that it's better to write it down one more time at the end, and I need to train it through many dialogues to get the desired result.

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What I'd like to improve further,

- to determine the order of tourist destinations using a mathematical formula that uses latitude and longitude to minimise the distance travelled between them.

Also

- It would be useful to pre-calculate the average location of each location to create a model for the minimum distance route. This model could then be used to calculate the most efficient travel route to provide tourists with the best itinerary.

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Thank you for attention

Feel free to ask questions