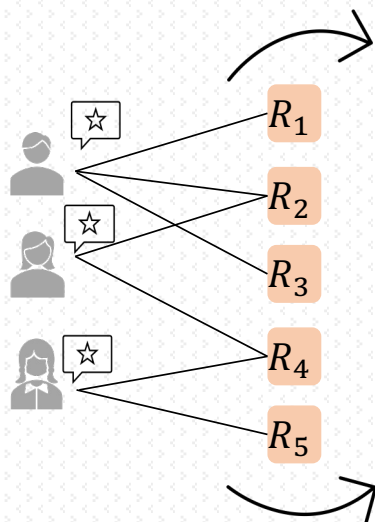


Keyword Processing

Users review Restaurants



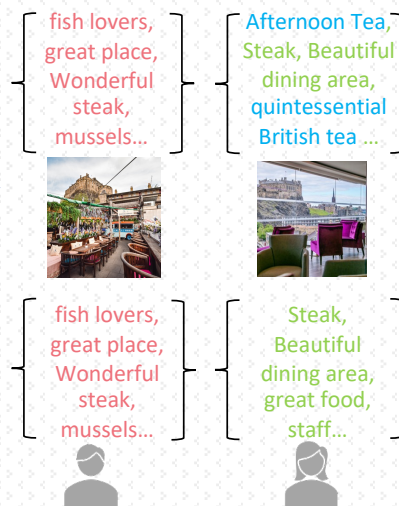
Key words extraction

User1's review for R_3 : Good spot to get great food. Beautiful dining area and exceptional staff. Dumplings and steak, which was perfectly cooked to order.

User5's review for R_3 : I can't imagine a more perfect spot for Afternoon Tea. This is the quintessential British tea experience set inside of the beautiful place. Absolutely impressive!

User3's review for R_9 : Wonderful steak, wonderful mussels, great value! A great place for meat lovers like me - I highly recommend. Ess

Key words represent for users & restaurants

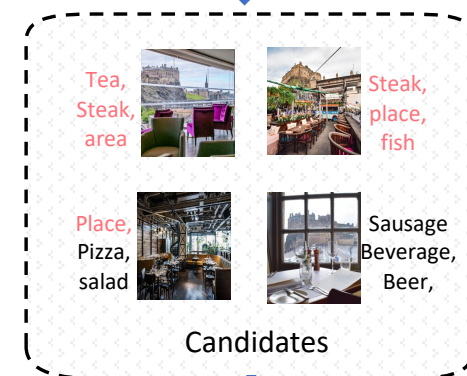


Cold-start User

I like "steak, tea, place"



Retrieval model



Candidates

LLMs as Ranker



User mention when wanting to choose restaurants: {Steak, Tea}.
The candidate restaurant are: { R_1 , R_2 , R_3 , R_4 }
Keywords associated with candidate restaurants: { R_1 : {...},...}.
Output: Ranked most suitable restaurants in the candidate set.

Prompt

Reranked Candidates

