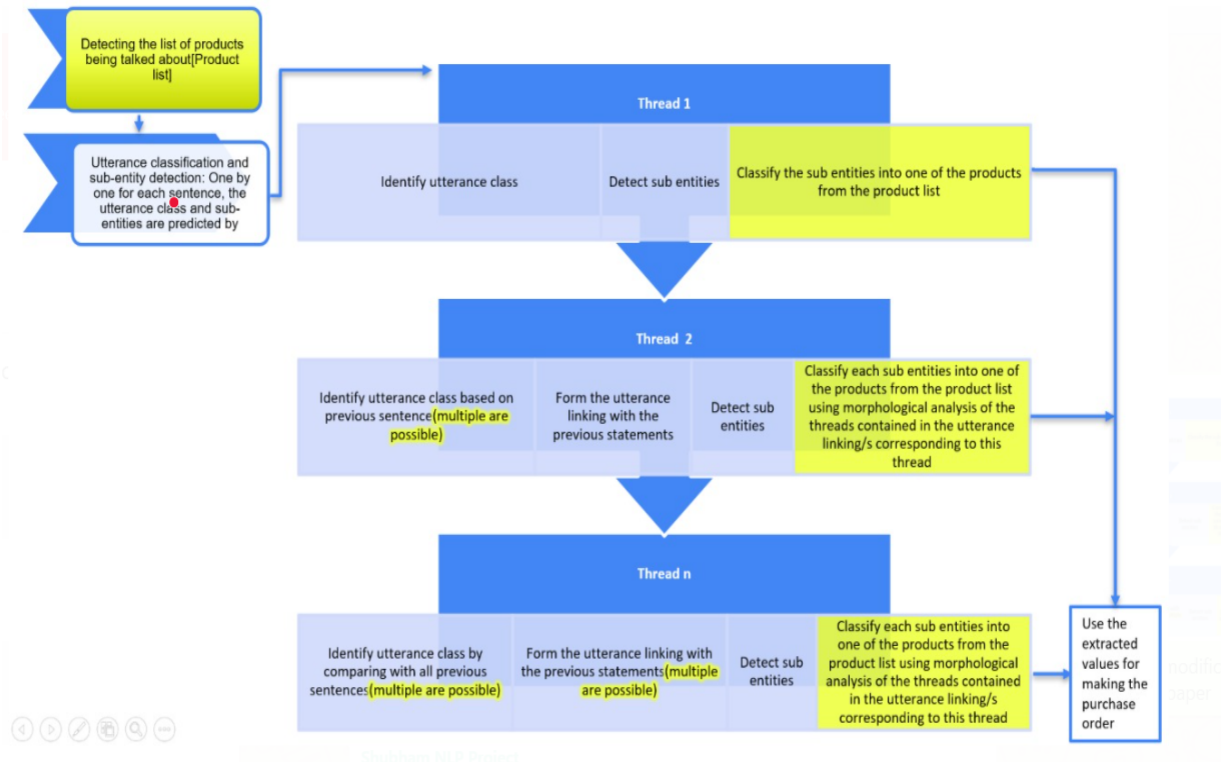
Progress so far...

1. The problem statement is further divided into multiple subtasks and we could adapt different approaches for each subtask.

2. Ran through a few examples, utterance by utterance, to make sure that the approach would work for different situations.

3. After a rigorous literature review and based on a few fail cases, we made a few modifications before making the final block diagram of the finalized method we planned to use.

4. The following flow diagram below summarises the approach. Blue boxes indicate the modules adopted from the research paper, while yellow indicates new modules we have ideated upon to solve the specific problem statement of multiproduct multithread conversation.



5. Using a state machine approach, several different scenarios of multi-product conversation have to be ideated on and coded to increase the diversity of the dataset as much as possible. For example:
    a Bringing the second product into the discussion at different points of the conversation.
    b Negotiating for both products together and negotiating for one product at a time.
    c Giving discount based on the quantity of the products bought.
    d One product not being available, but the other being available.
    e The customer finally decides to take one product, but not take the other, and many more such situations.

6. Presently, the data having been generated, we are next working upon the task of building the code. We are presently looking at morphological analysis to get the product list and utterance classification and mapping for context mapping and entity detection.